

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054263.D
 Acq On : 14 Mar 2019 15:47
 Operator : JC/SP
 Sample : VN0314WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBSD01

Quant Time: Mar 15 06:53:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1382843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2119162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1858834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	885477	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	759171	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
35) Dibromofluoromethane	7.59	113	699252	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
50) Toluene-d8	10.09	98	2503175	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.40	95	865367	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	274909	20.976	ug/l	97
3) Chloromethane	2.06	50	263732	20.716	ug/l	97
4) Vinyl Chloride	2.19	62	298165	20.491	ug/l	99
5) Bromomethane	2.57	94	224715	22.298	ug/l	98
6) Chloroethane	2.71	64	175677	19.954	ug/l	99
7) Trichlorofluoromethane	3.02	101	388190	20.066	ug/l	100
8) Diethyl Ether	3.41	74	194346	22.045	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	320585	22.114	ug/l	99
10) Methyl Iodide	3.94	142	275644	14.485	ug/l	100
11) Tert butyl alcohol	4.82	59	95128	94.488	ug/l	96
12) 1,1-Dichloroethene	3.73	96	315290	21.947	ug/l	98
13) Acrolein	3.61	56	56721	59.455	ug/l	99
14) Allyl chloride	4.32	41	364772	19.790	ug/l	98
15) Acrylonitrile	5.00	53	442585	107.020	ug/l	99
16) Acetone	3.82	43	347287	82.591	ug/l	99
17) Carbon Disulfide	4.04	76	658669	18.289	ug/l	98
18) Methyl Acetate	4.33	43	193429	22.737	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	757445	21.271	ug/l	98
20) Methylene Chloride	4.55	84	292536	21.188	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	288526	20.961	ug/l	98
22) Diisopropyl ether	5.96	45	762923	20.739	ug/l	99
23) Vinyl Acetate	5.90	43	2762247	101.838	ug/l	100
24) 1,1-Dichloroethane	5.85	63	501471	21.230	ug/l	99
25) 2-Butanone	6.85	43	502420	101.802	ug/l	100
26) 2,2-Dichloropropane	6.82	77	354087	17.046	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	335145	21.825	ug/l	96
28) Bromochloromethane	7.19	49	209503	21.696	ug/l	98
29) Tetrahydrofuran	7.22	42	334355	105.369	ug/l	98
30) Chloroform	7.37	83	532028	21.585	ug/l	99
31) Cyclohexane	7.65	56	454801	19.854	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	457105	20.534	ug/l	98
36) 1,1-Dichloropropene	7.79	75	393881	20.183	ug/l	99
37) Ethyl Acetate	6.94	43	228421	20.370	ug/l	98
38) Carbon Tetrachloride	7.77	117	389331	19.024	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	480775	20.023	ug/l	99
40) Benzene	8.04	78	1168740	20.928	ug/l	100
41) Methacrylonitrile	7.18	41	119038	18.592	ug/l	94
42) 1,2-Dichloroethane	8.12	62	397335	21.074	ug/l	99
43) Isopropyl Acetate	8.17	43	378276	19.219	ug/l	100
44) Trichloroethene	8.83	130	363031	20.926	ug/l	100
45) 1,2-Dichloropropane	9.12	63	294692	21.251	ug/l	100
46) Dibromomethane	9.21	93	196935	21.019	ug/l	99
47) Bromodichloromethane	9.40	83	383055	20.393	ug/l	100
48) Methyl methacrylate	9.20	41	204692	20.492	ug/l	98
49) 1,4-Dioxane	9.21	88	59599	421.825	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1076041	103.304	ug/l	99
52) Toluene	10.16	92	734427	20.741	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	345830	17.444	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	421005	19.234	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	273323	21.139	ug/l	98
56) Ethyl methacrylate	10.43	69	306932	19.909	ug/l	99
57) 1,3-Dichloropropane	10.71	76	443080	20.958	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	589903	99.088	ug/l	100
59) 2-Hexanone	10.75	43	674520	97.320	ug/l	100
60) Dibromochloromethane	10.90	129	282248	19.394	ug/l	100
61) 1,2-Dibromoethane	11.01	107	272650	20.751	ug/l	100
64) Tetrachloroethene	10.63	164	367206	20.432	ug/l	98
65) Chlorobenzene	11.43	112	853765	20.918	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	300286	20.253	ug/l	99
67) Ethyl Benzene	11.51	91	1384484	20.463	ug/l	100
68) m/p-Xylenes	11.62	106	1082463	40.934	ug/l	100
69) o-Xylene	11.95	106	536798	20.824	ug/l	98
70) Styrene	11.96	104	830821	20.550	ug/l	99
71) Bromoform	12.13	173	178109	17.368	ug/l	99
73) Isopropylbenzene	12.25	105	1411433	19.923	ug/l	100
74) N-amyl acetate	12.07	43	296283	18.842	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	307626	20.381	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	358367	27.522	ug/l #	100
77) Bromobenzene	12.53	156	378521	20.192	ug/l	97
78) n-propylbenzene	12.59	91	1535036	19.969	ug/l	100
79) 2-Chlorotoluene	12.67	91	927811	20.074	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1171680	19.884	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	53127	13.947	ug/l #	83
82) 4-Chlorotoluene	12.77	91	915348	19.833	ug/l	99
83) tert-Butylbenzene	12.99	119	1078502	19.884	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1160380	20.072	ug/l	100
85) sec-Butylbenzene	13.17	105	1406501	19.996	ug/l	100
86) p-Isopropyltoluene	13.29	119	1215080	19.690	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	642698	20.346	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	628363	20.249	ug/l	100
89) n-Butylbenzene	13.62	91	920494	19.632	ug/l	100
90) Hexachloroethane	13.88	117	175982	17.223	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	641923	20.787	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43972	18.827	ug/l	98

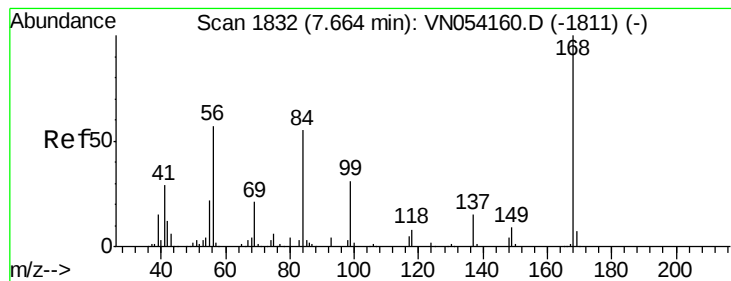
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
Data File : VN054263.D
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Sample : VN0314WBSD01
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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	332597	19.459	ug/l	99
94) Hexachlorobutadiene	15.01	225	230362	19.585	ug/l	99
95) Naphthalene	15.13	128	658225	19.242	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	340949	20.780	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: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

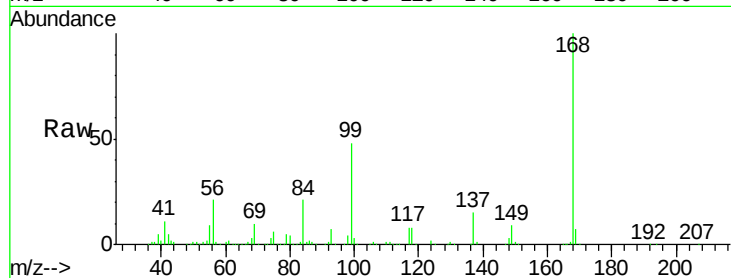
VN0314WBSD01

Tot Ion:168 Resp: 1382843

Ion Ratio Lower Upper

168 100

99 47.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

300000

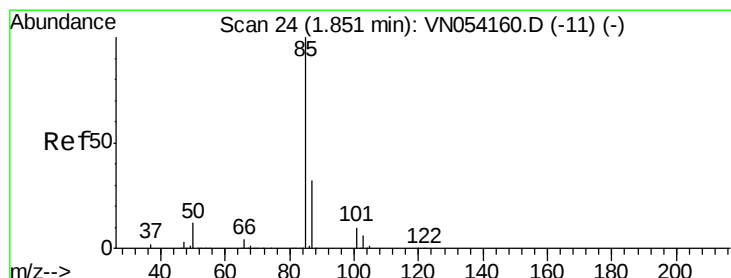
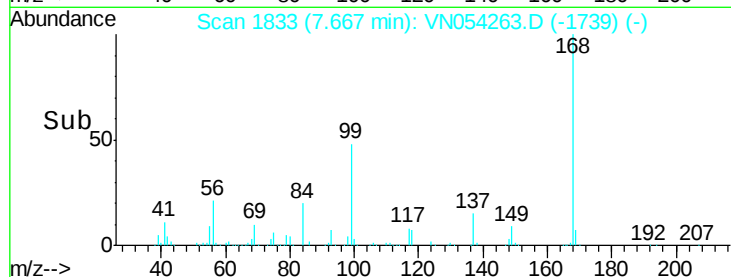
200000

100000

0

7.60 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.976 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054263.D

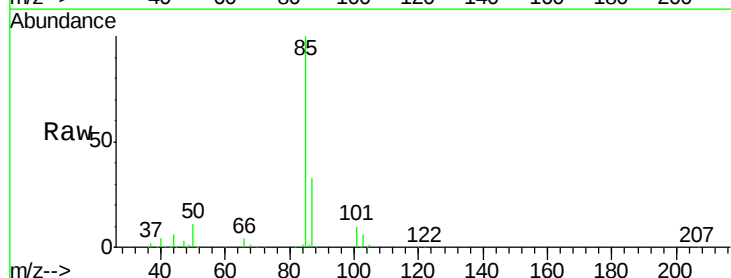
Acq: 14 Mar 2019 15:47

Tgt Ion: 85 Resp: 274909

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

150000

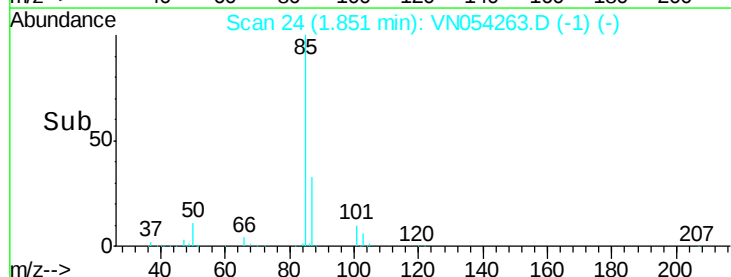
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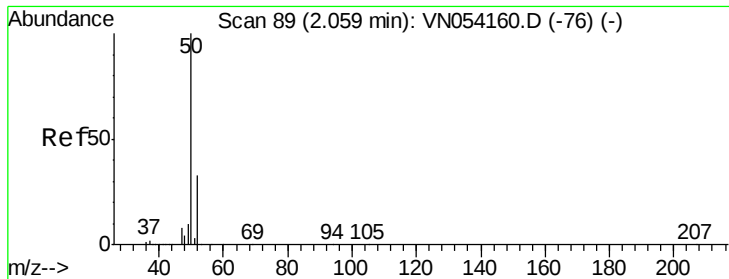
50000

0

1.80 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.716 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

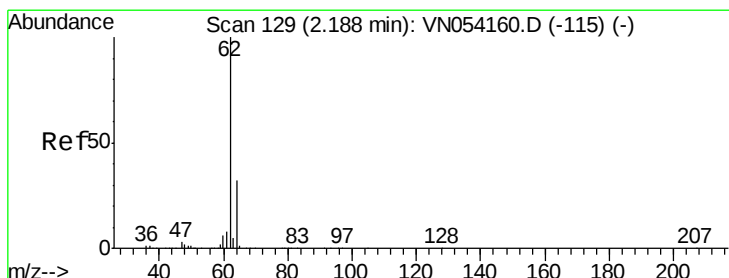
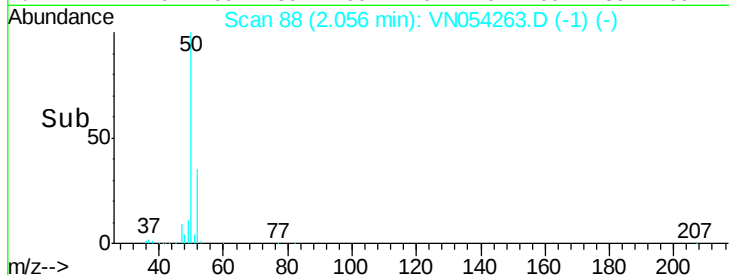
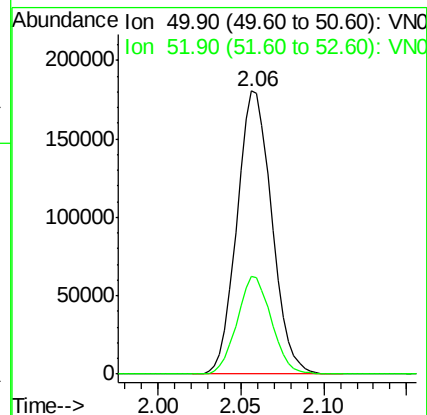
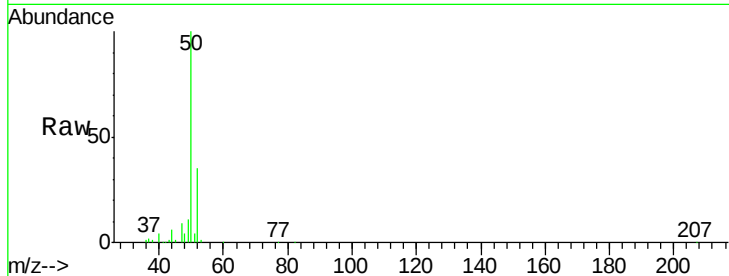
VN0314WBSD01

Tot Ion: 50 Resp: 263732

Ion Ratio Lower Upper

50 100

52 34.6 26.4 39.6



#4

Vinyl Chloride

Concen: 20.491 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054263.D

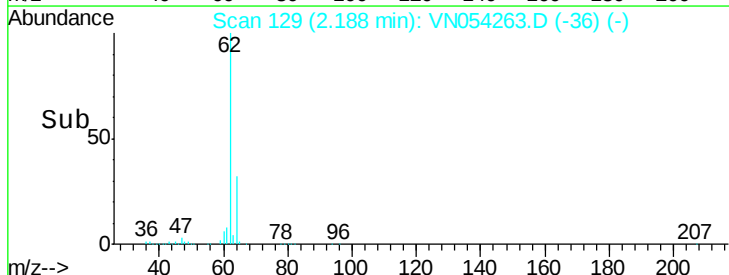
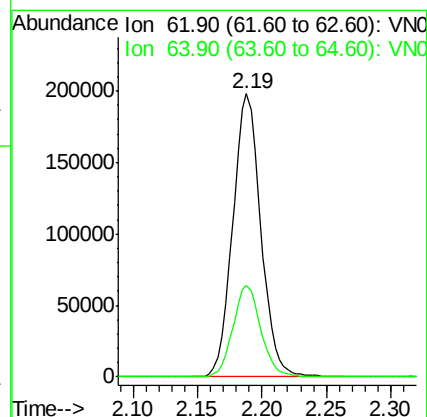
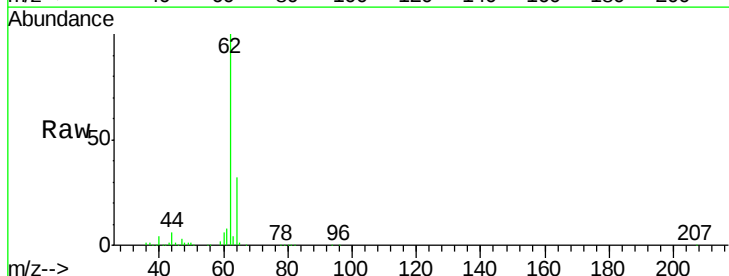
Acq: 14 Mar 2019 15:47

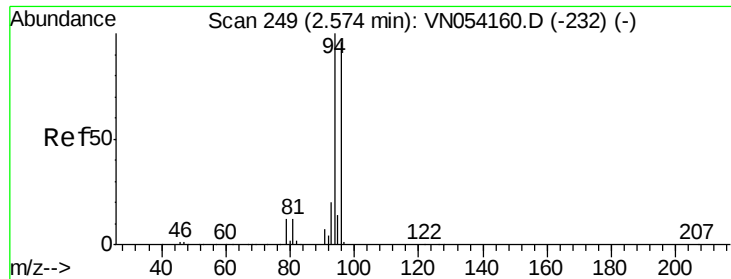
Tgt Ion: 62 Resp: 298165

Ion Ratio Lower Upper

62 100

64 32.4 25.5 38.3





#5

Bromomethane

Concen: 22.298 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

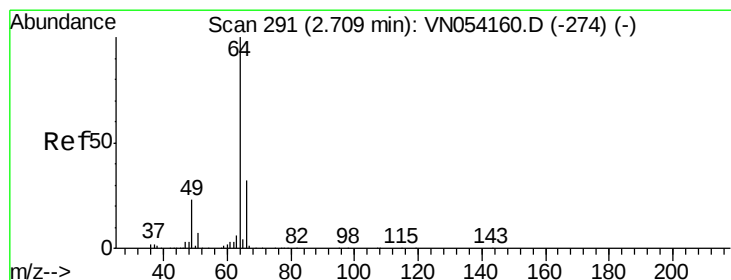
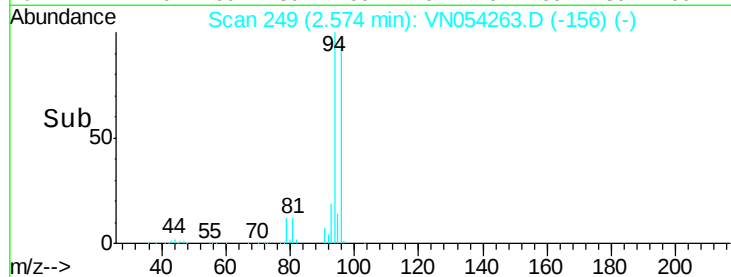
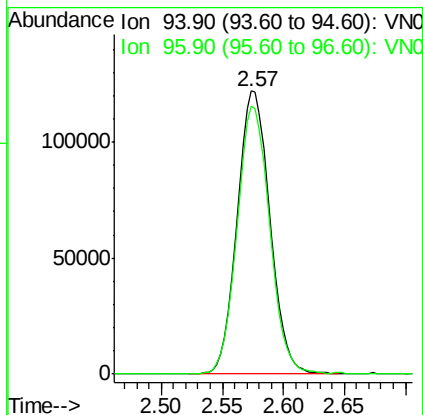
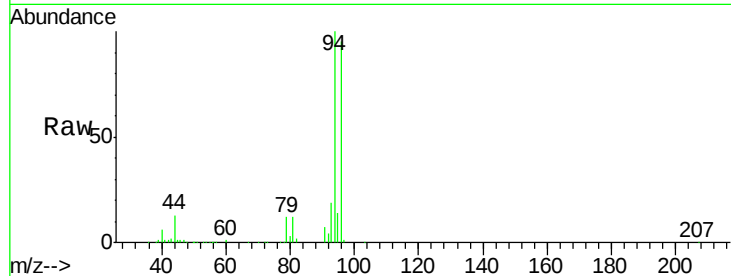
VN0314WBSD01

Tot Ion: 94 Resp: 224715

Ion Ratio Lower Upper

94 100

96 94.4 77.0 115.4



#6

Chloroethane

Concen: 19.954 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054263.D

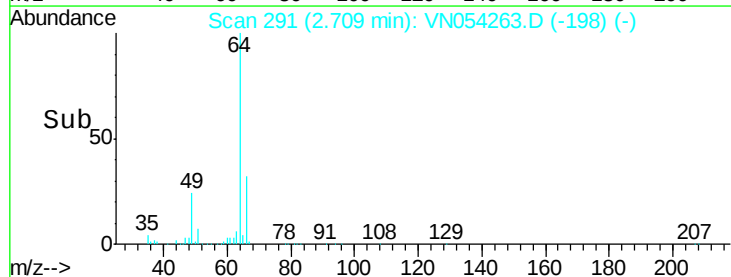
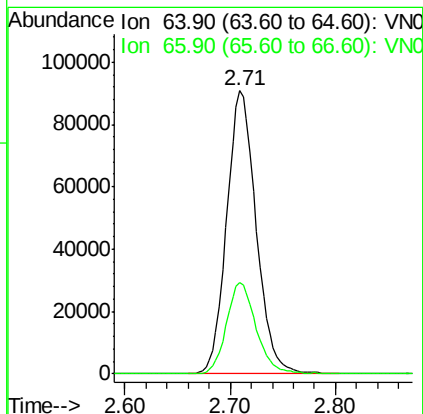
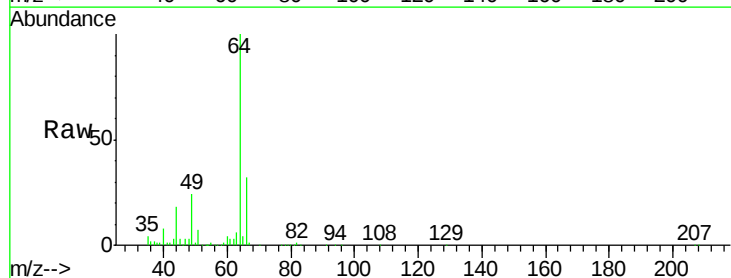
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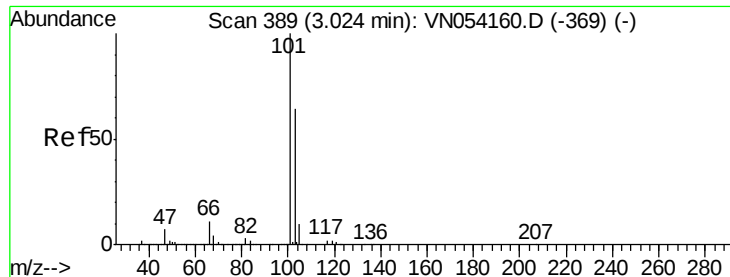
Tgt Ion: 64 Resp: 175677

Ion Ratio Lower Upper

64 100

66 32.4 25.7 38.5



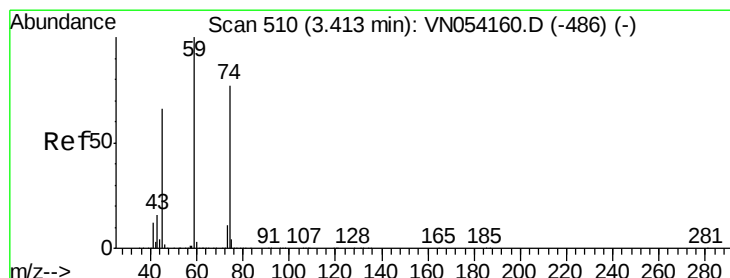
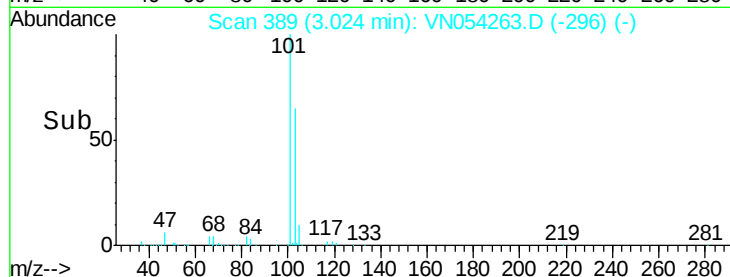
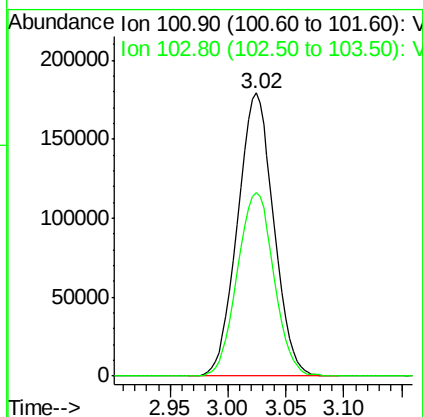
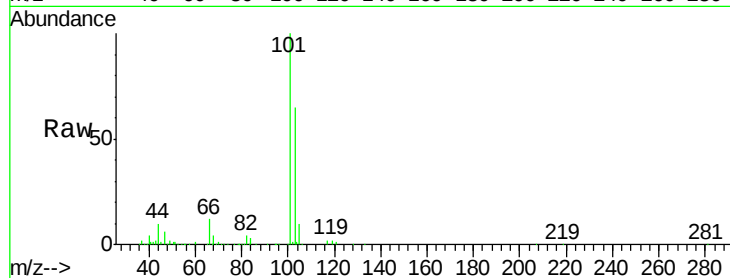


#7

Trichlorofluoromethane
 Concen: 20.066 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBSD01

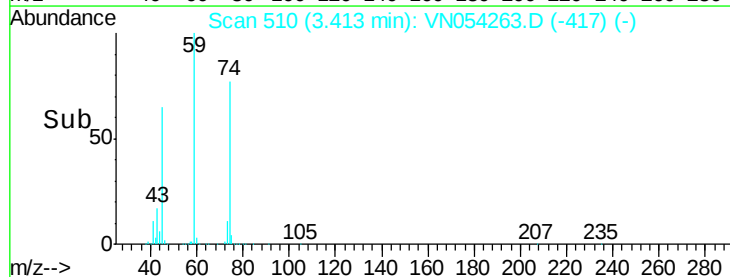
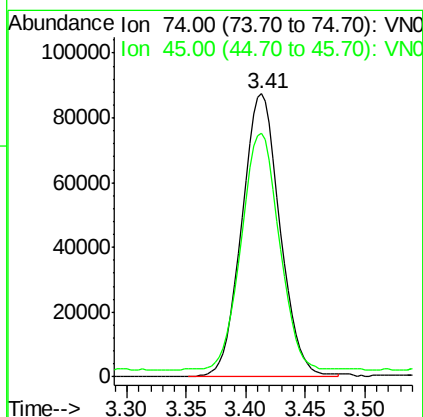
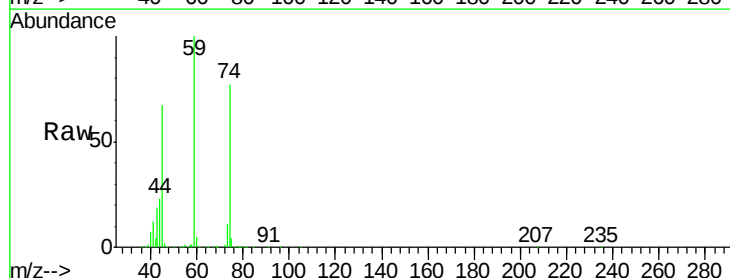
Tot Ion:101 Resp: 388190
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.4 77.2

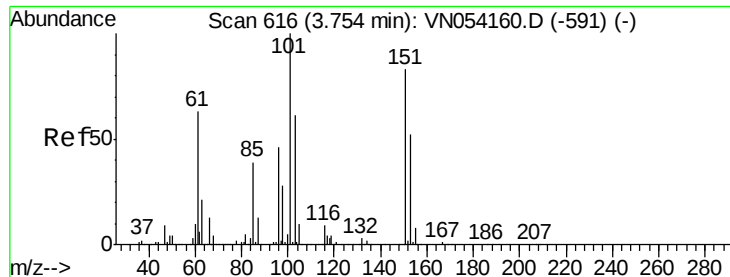


#8

Diethyl Ether
 Concen: 22.045 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Tgt Ion: 74 Resp: 194346
 Ion Ratio Lower Upper
 74 100
 45 83.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.114 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

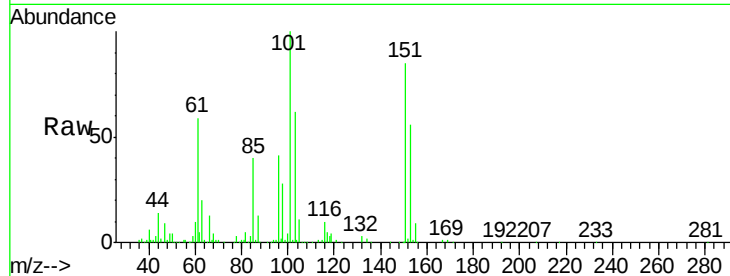
Tot Ion:101 Resp: 320585

Ion Ratio Lower Upper

101 100

85 39.8 32.4 48.6

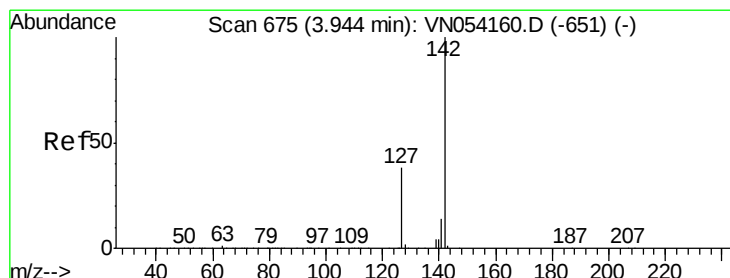
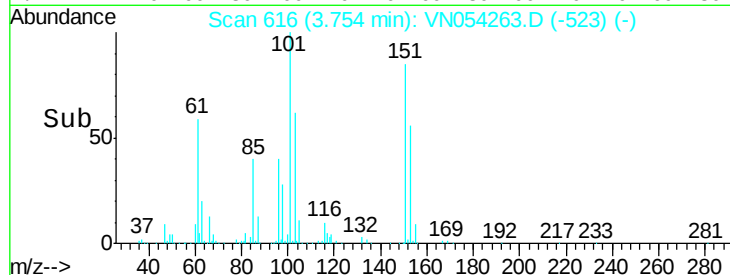
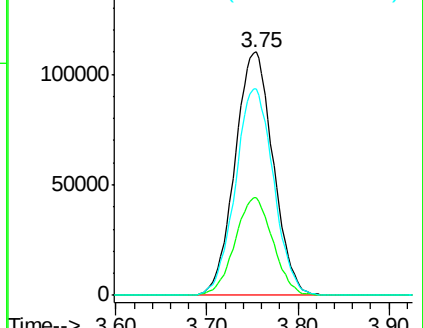
151 85.0 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.485 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

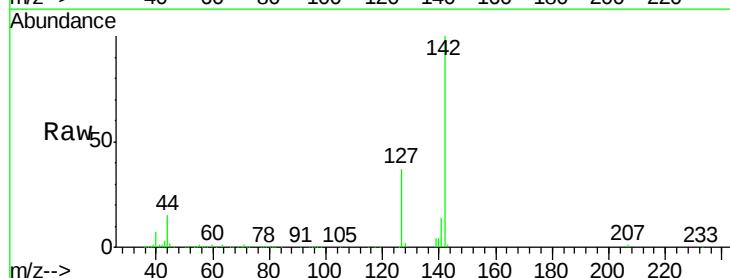
Tgt Ion:142 Resp: 275644

Ion Ratio Lower Upper

142 100

127 37.8 30.3 45.5

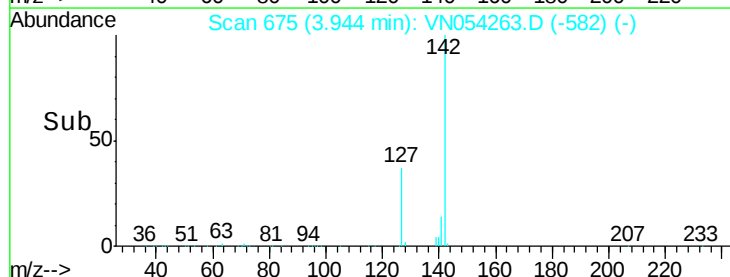
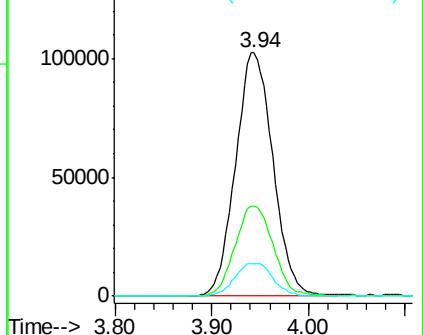
141 13.7 11.2 16.8

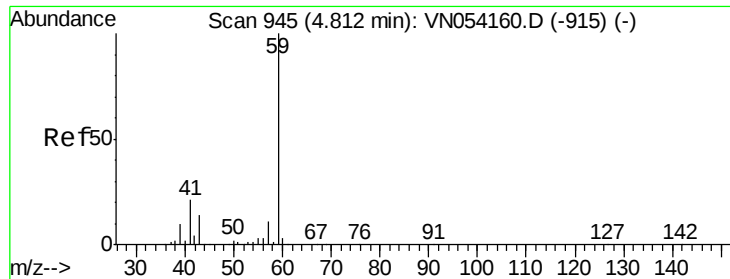


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



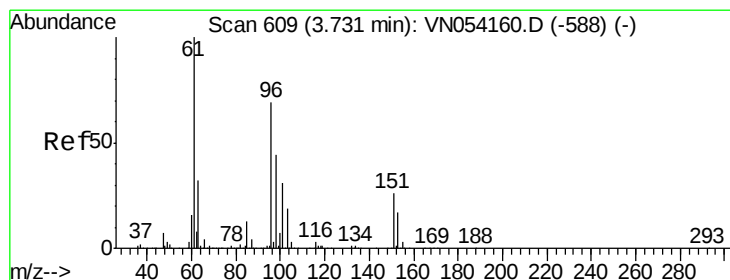
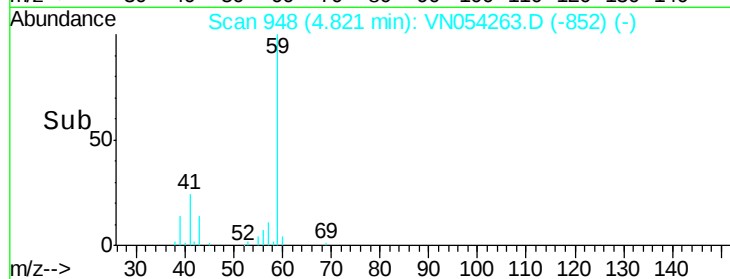
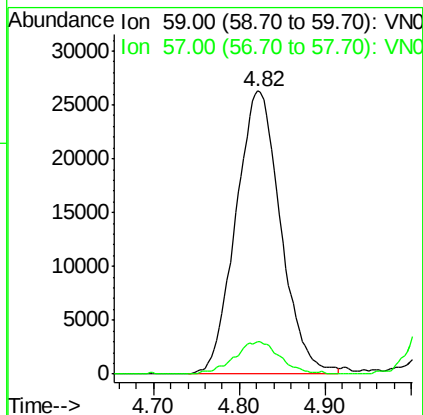
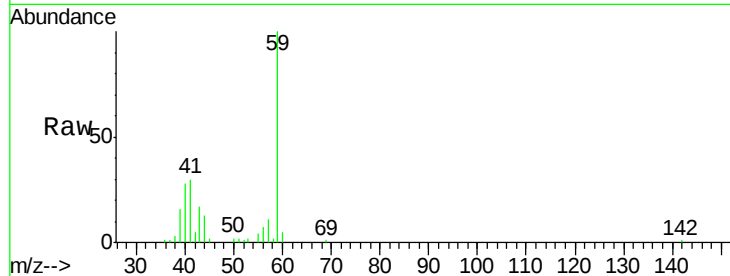


#11

Tert butyl alcohol
 Concen: 94.488 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0314WBSD01

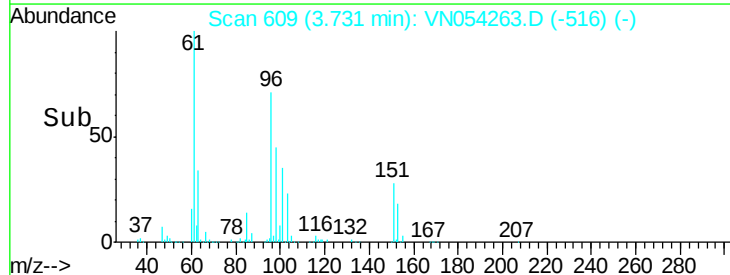
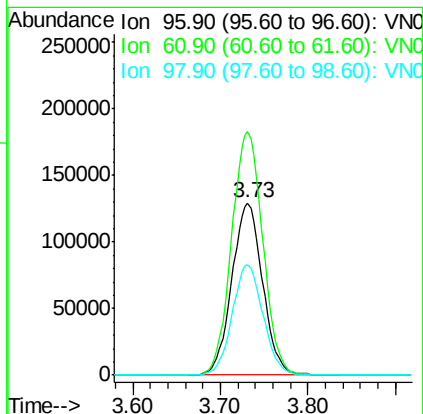
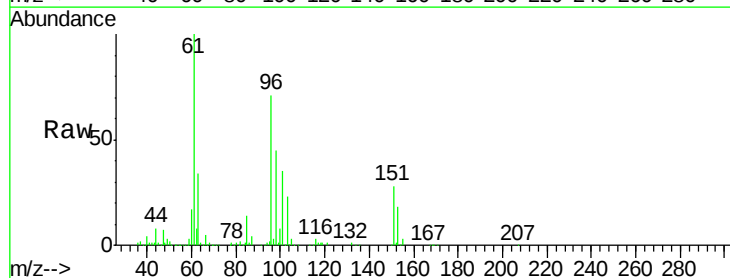
Tot Ion: 59 Resp: 95128
 Ion Ratio Lower Upper
 59 100
 57 9.7 9.0 13.6

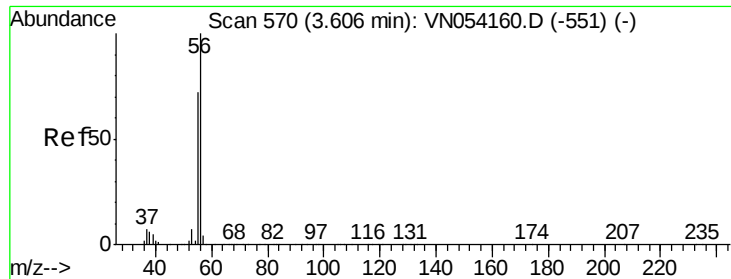


#12

1,1-Dichloroethene
 Concen: 21.947 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Tgt Ion: 96 Resp: 315290
 Ion Ratio Lower Upper
 96 100
 61 141.5 116.5 174.7
 98 64.0 51.0 76.4





#13

Acrolein

Concen: 59.455 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

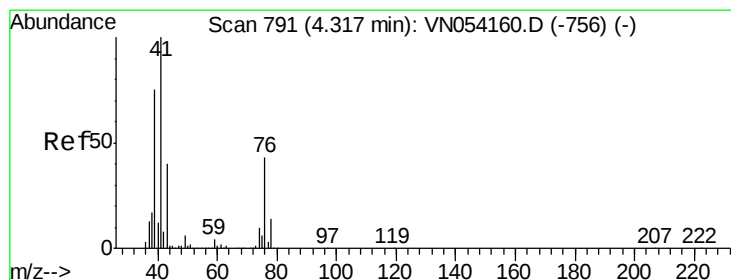
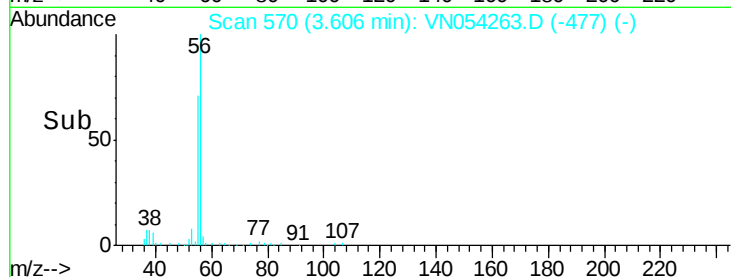
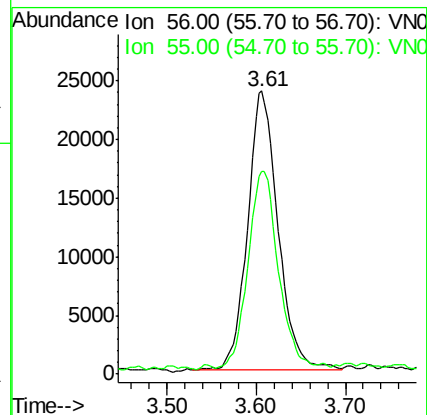
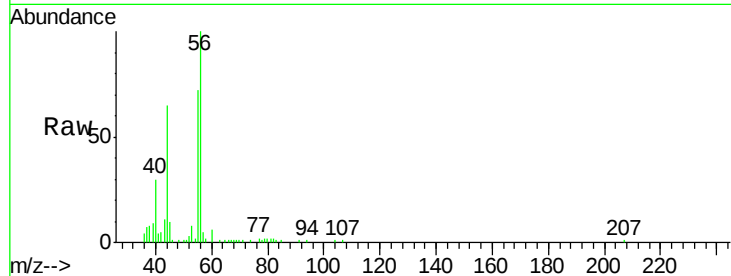
VN0314WBSD01

Tot Ion: 56 Resp: 56721

Ion Ratio Lower Upper

56 100

55 69.7 56.7 85.1



#14

Allyl chloride

Concen: 19.790 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

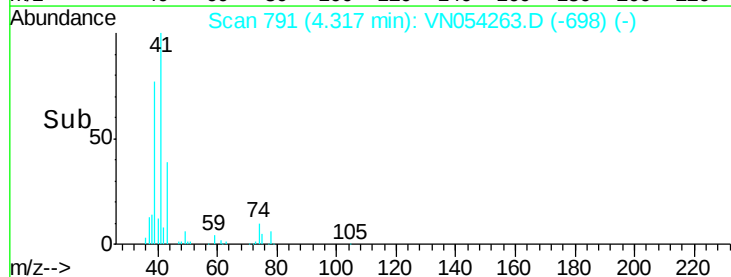
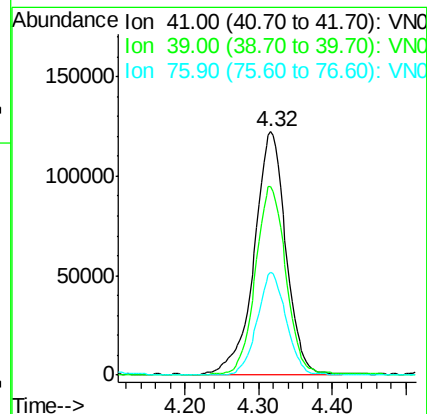
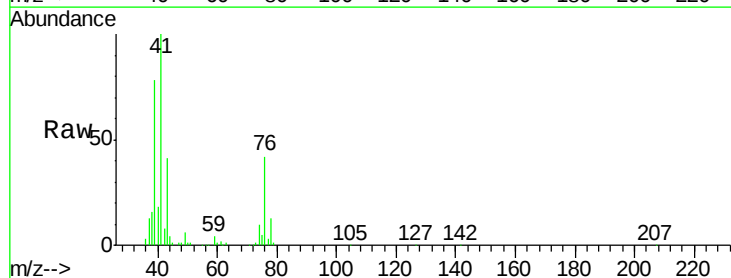
Tgt Ion: 41 Resp: 364772

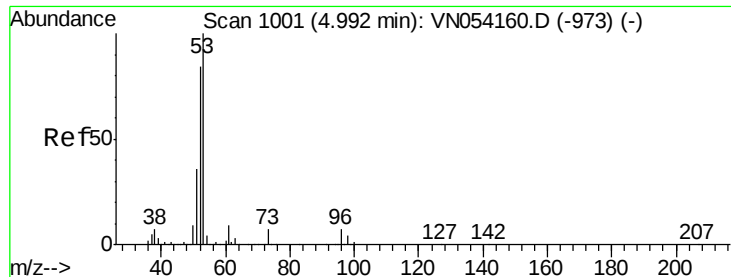
Ion Ratio Lower Upper

41 100

39 74.1 58.2 87.4

76 38.3 31.7 47.5





#15

Acrylonitrile

Concen: 107.020 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

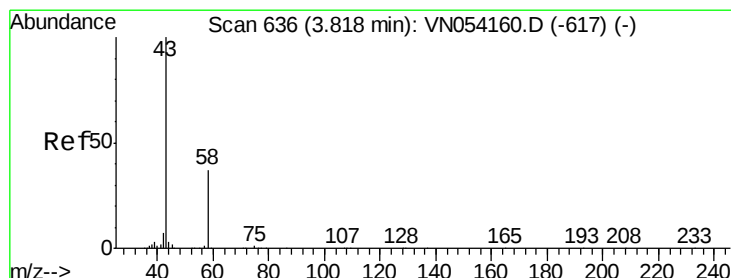
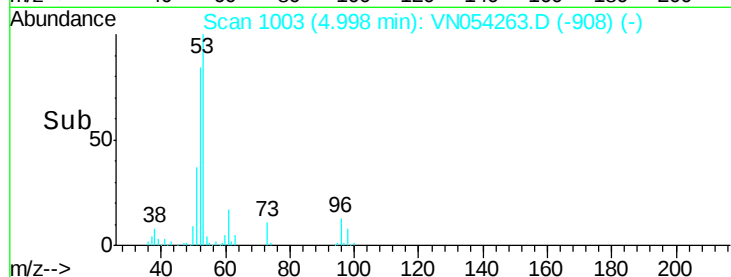
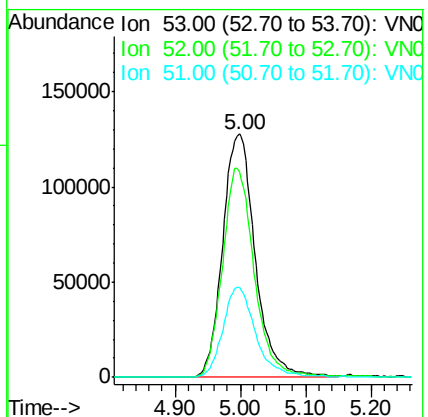
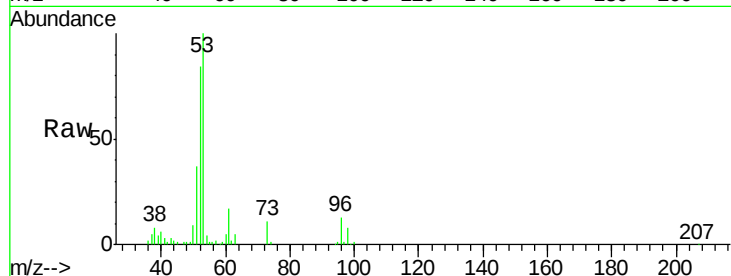
Tot Ion: 53 Resp: 442585

Ion Ratio Lower Upper

53 100

52 83.4 66.4 99.6

51 36.6 29.6 44.4



#16

Acetone

Concen: 82.591 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054263.D

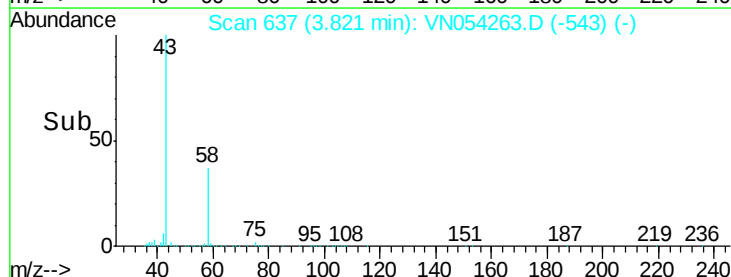
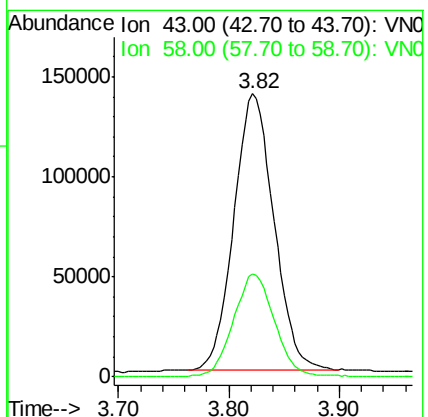
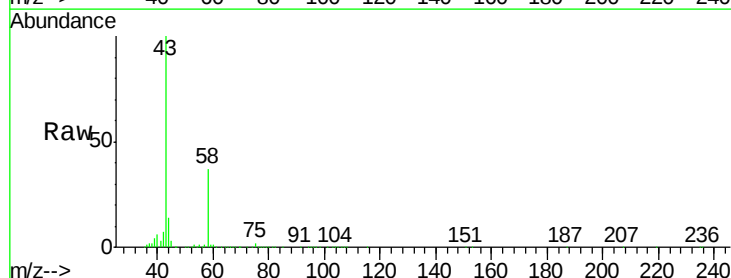
Acq: 14 Mar 2019 15:47

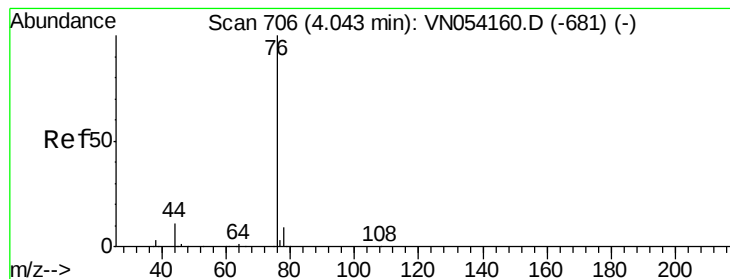
Tgt Ion: 43 Resp: 347287

Ion Ratio Lower Upper

43 100

58 37.0 29.9 44.9





#17

Carbon Disulfide

Concen: 18.289 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

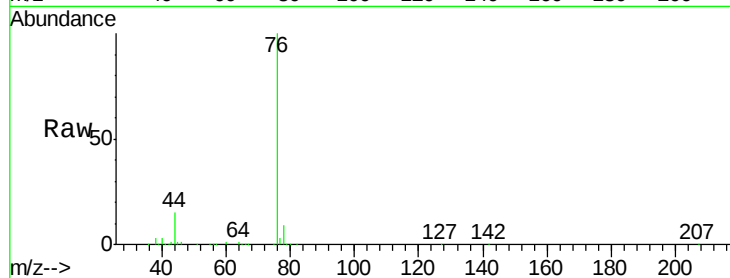
VN0314WBSD01

Tot Ion: 76 Resp: 658669

Ion Ratio Lower Upper

76 100

78 8.6 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

250000

200000

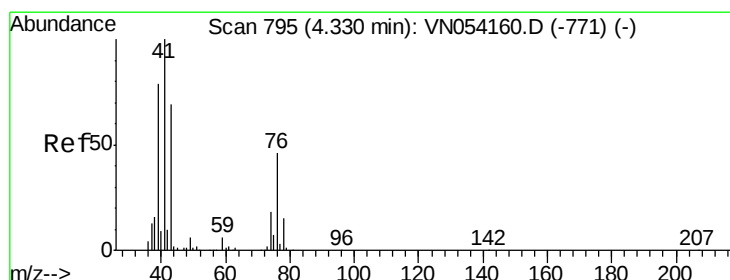
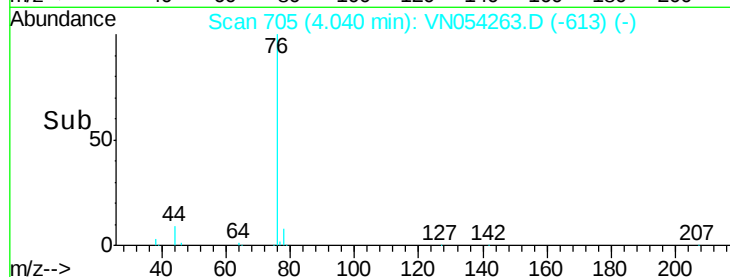
150000

100000

50000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 22.737 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054263.D

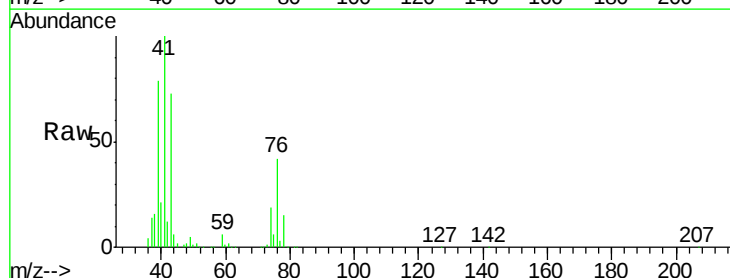
Acq: 14 Mar 2019 15:47

Tgt Ion: 43 Resp: 193429

Ion Ratio Lower Upper

43 100

74 26.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

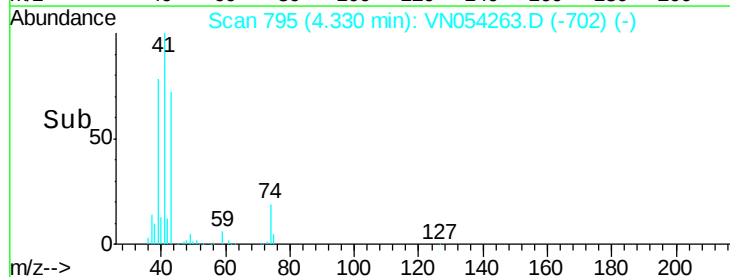
60000

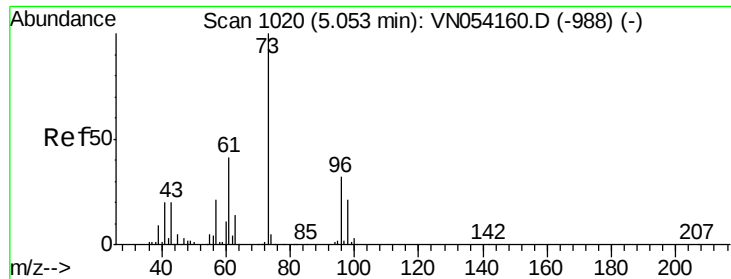
40000

20000

0

Time--> 4.20 4.30 4.40



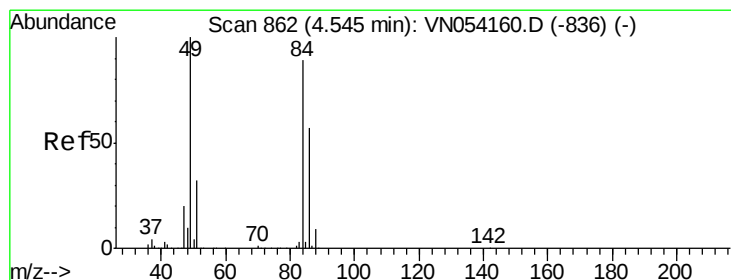
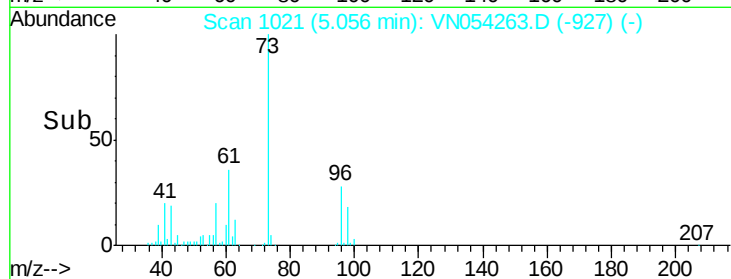
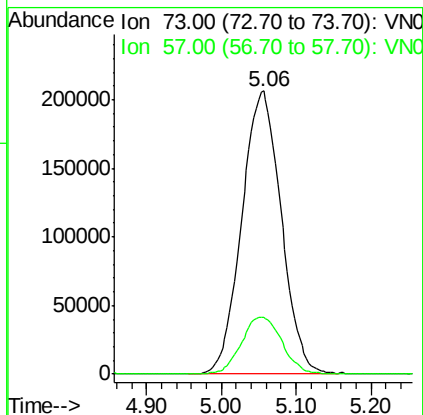
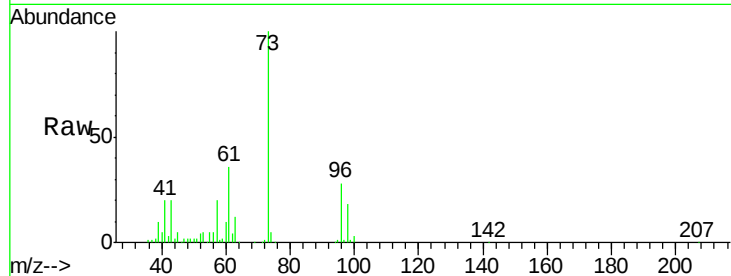


#19

Methyl tert-butyl Ether
 Concen: 21.271 ug/l
 RT: 5.06 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0314WBSD01

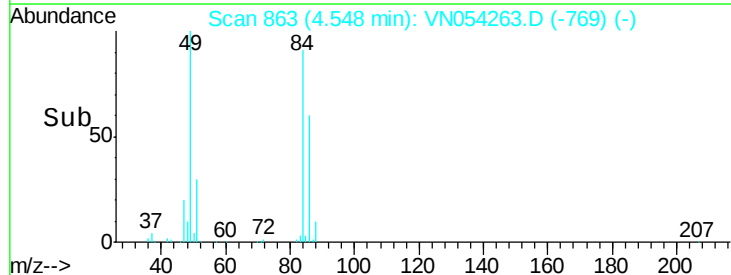
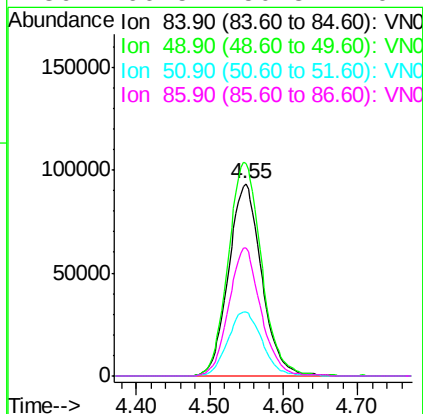
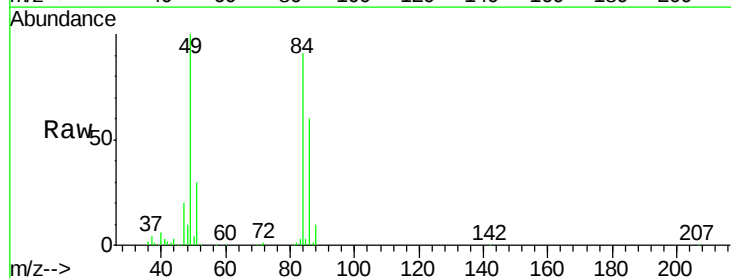
Tot Ion: 73 Resp: 757445
 Ion Ratio Lower Upper
 73 100
 57 20.0 16.8 25.2

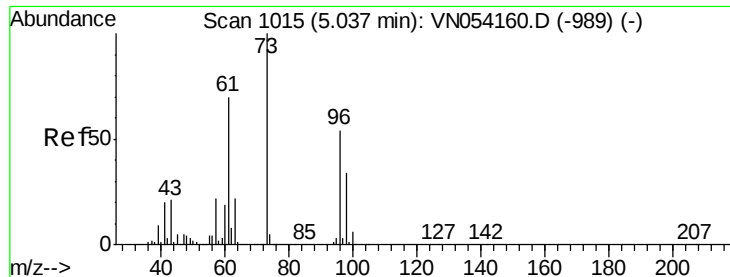


#20

Methylene Chloride
 Concen: 21.188 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Tgt Ion: 84 Resp: 292536
 Ion Ratio Lower Upper
 84 100
 49 110.2 89.7 134.5
 51 33.4 28.2 42.4
 86 66.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.961 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

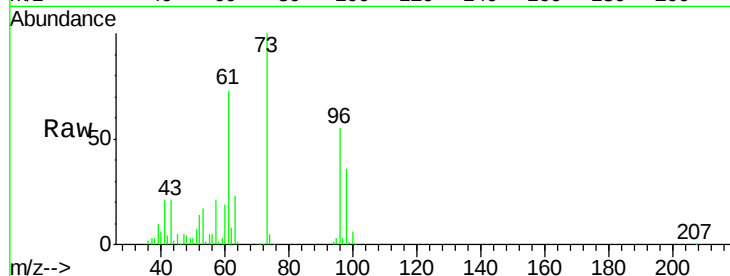
Tot Ion: 96 Resp: 288526

Ion Ratio Lower Upper

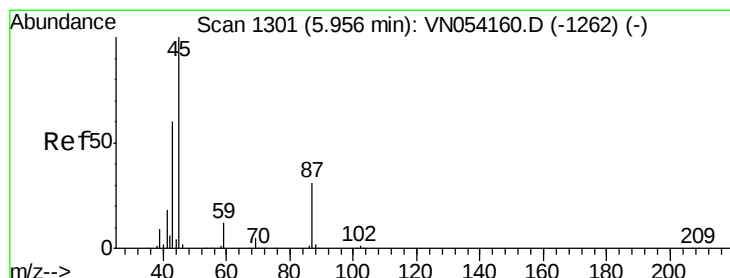
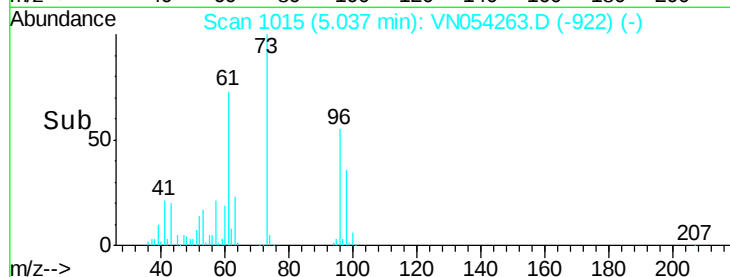
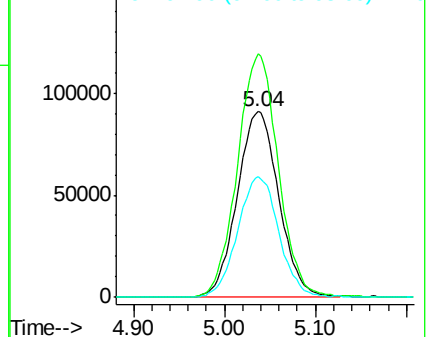
96 100

61 131.0 102.8 154.2

98 64.7 50.0 75.0



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



#22

Diisopropyl ether

Concen: 20.739 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Tgt Ion: 45 Resp: 762923

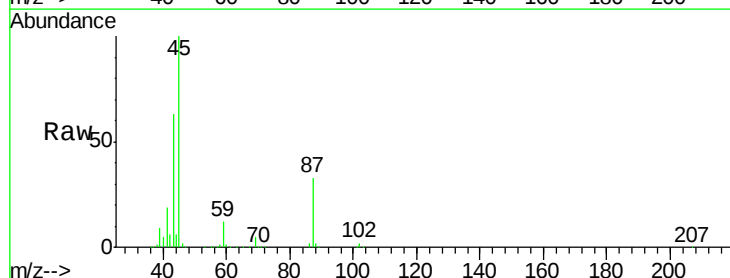
Ion Ratio Lower Upper

45 100

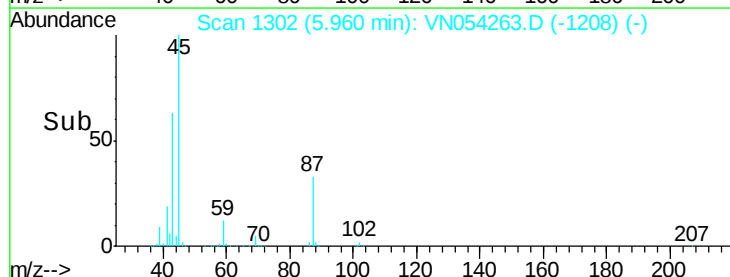
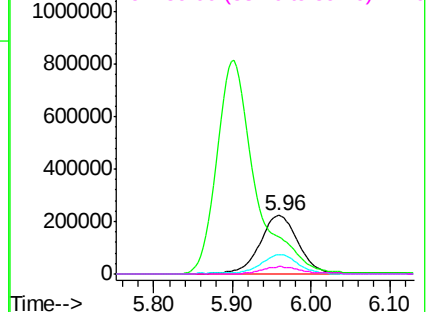
43 59.9 48.2 72.2

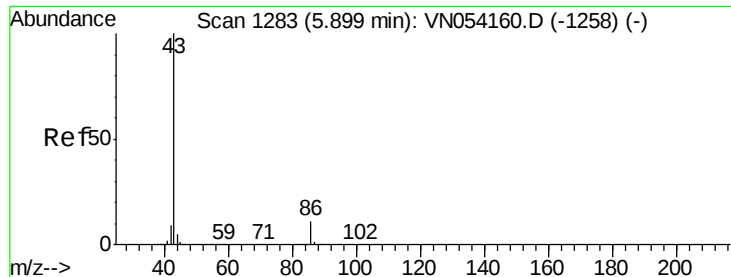
87 32.1 24.9 37.3

59 11.8 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 101.838 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

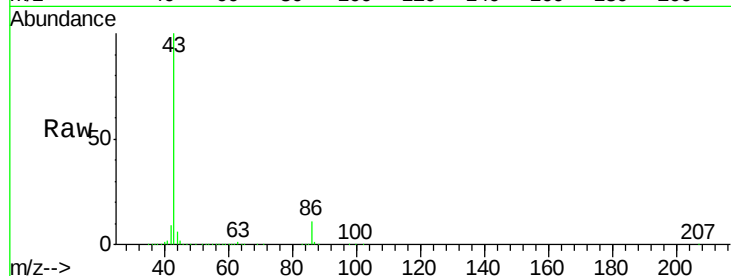
VN0314WBSD01

Tot Ion: 43 Resp: 2762247

Ion Ratio Lower Upper

43 100

86 11.4 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

800000

600000

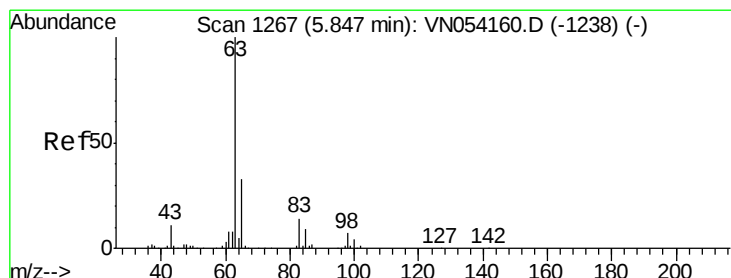
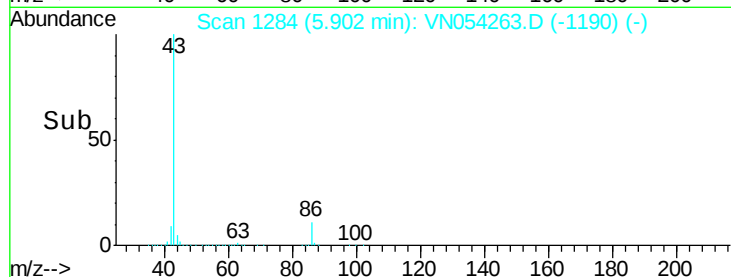
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 21.230 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

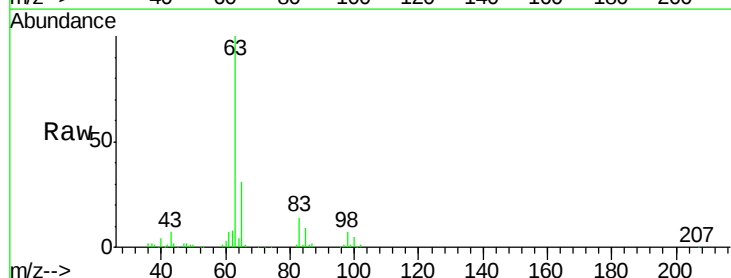
Tgt Ion: 63 Resp: 501471

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.8 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

200000

150000

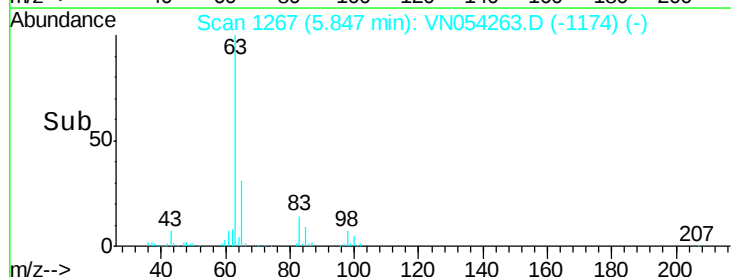
100000

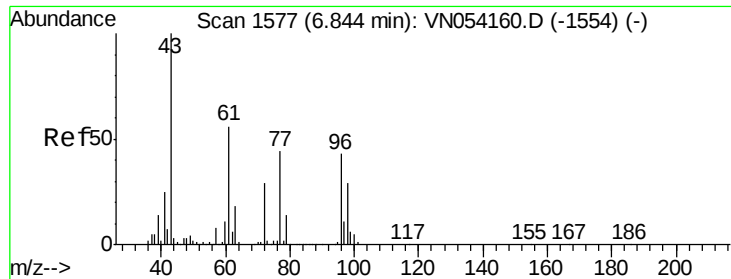
50000

0

5.70 5.80 5.90 6.00

Time-->

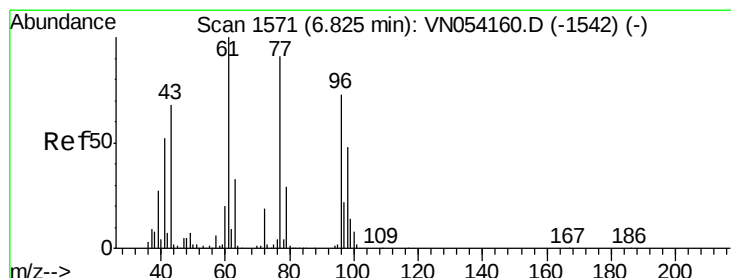
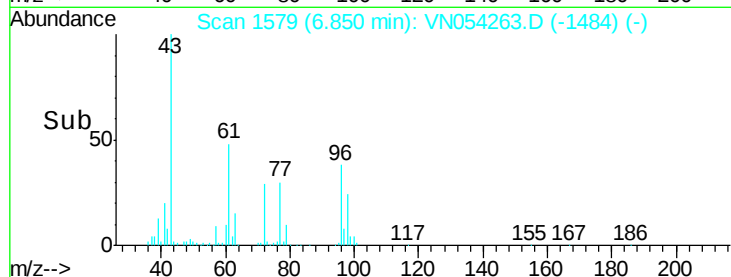
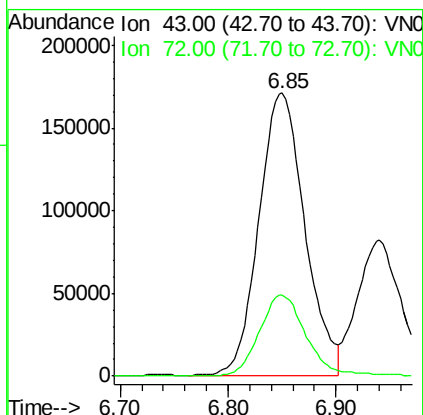
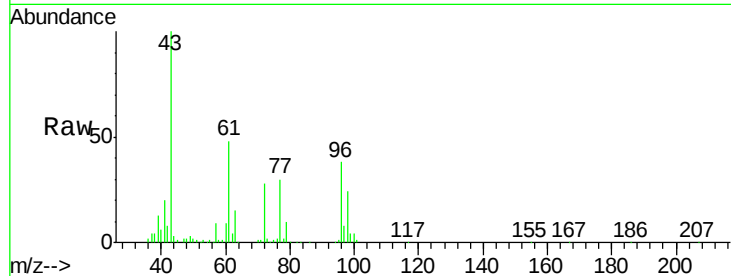




#25
2-Butanone
Concen: 101.802 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

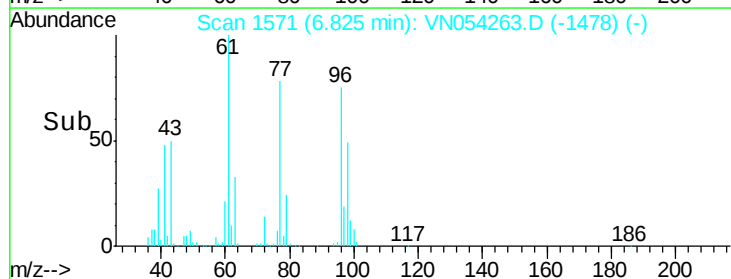
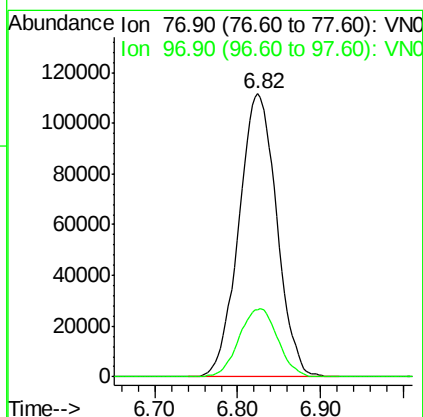
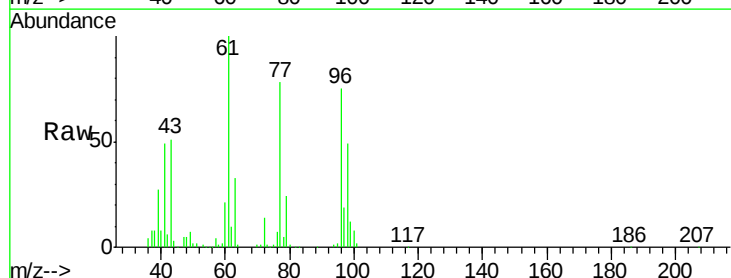
Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

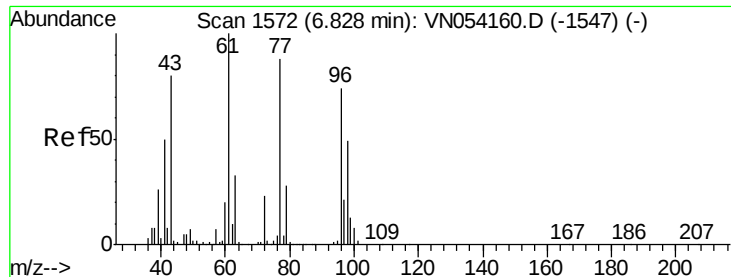
Tot Ion: 43 Resp: 502420
Ion Ratio Lower Upper
43 100
72 28.6 23.0 34.6



#26
2,2-Dichloropropane
Concen: 17.046 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion: 77 Resp: 354087
Ion Ratio Lower Upper
77 100
97 24.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.825 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

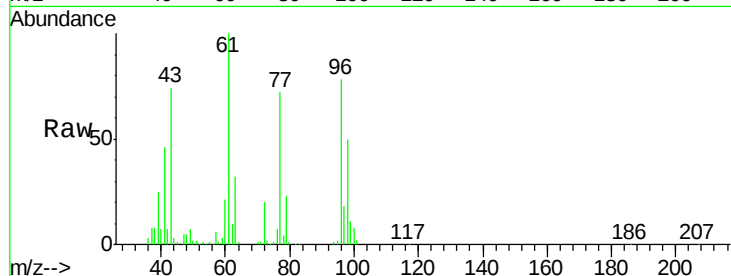
Tot Ion: 96 Resp: 335145

Ion Ratio Lower Upper

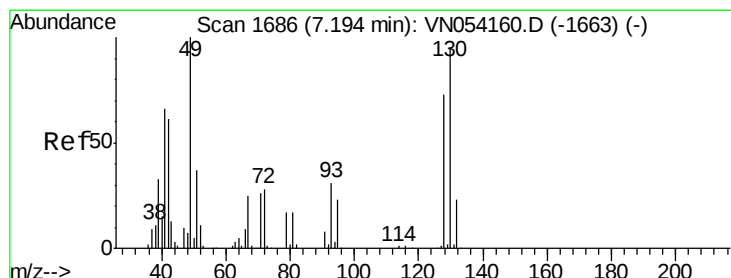
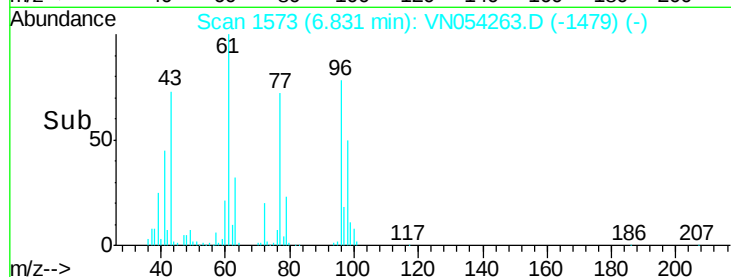
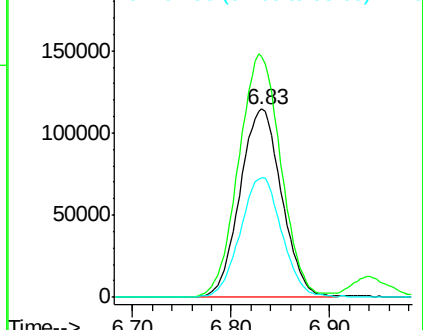
96 100

61 130.8 0.0 273.0

98 63.4 0.0 130.6



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



#28

Bromochloromethane

Concen: 21.696 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

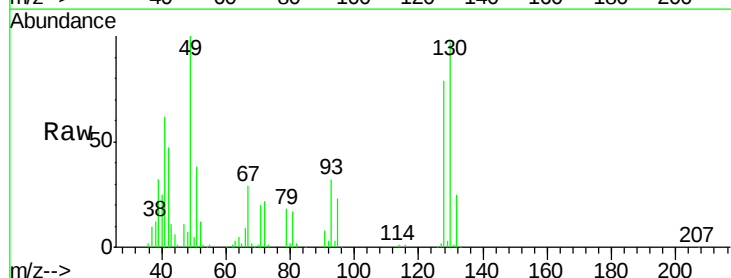
Tgt Ion: 49 Resp: 209503

Ion Ratio Lower Upper

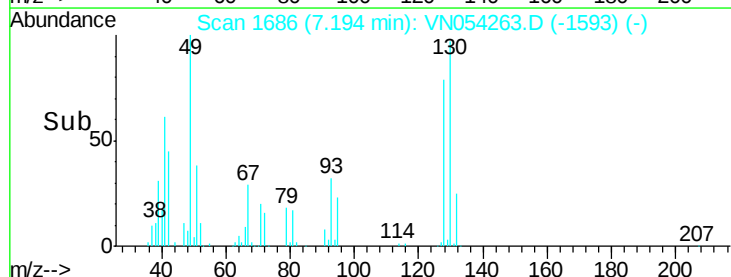
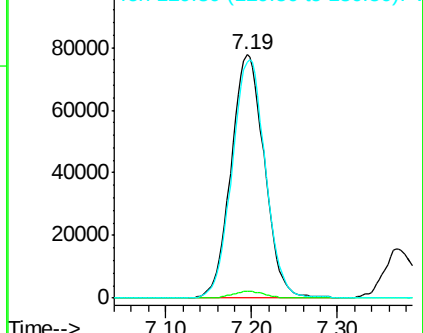
49 100

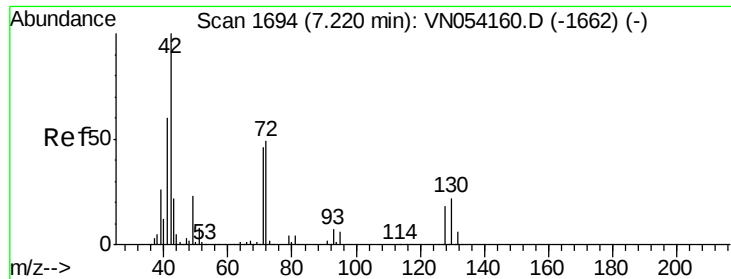
129 2.7 0.0 4.6

130 98.1 76.7 115.1



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

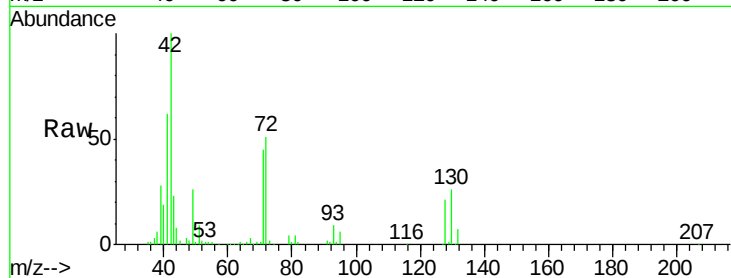




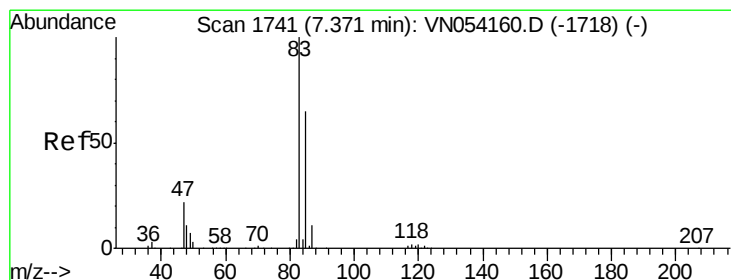
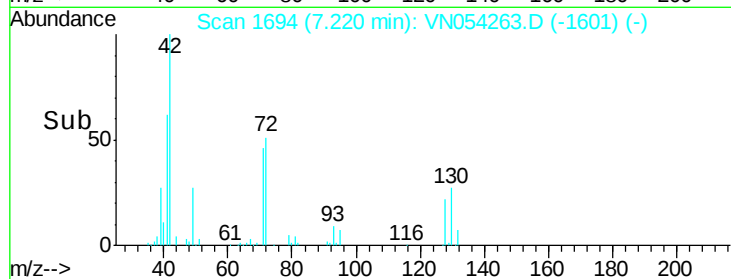
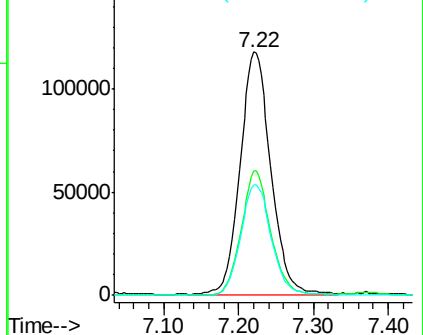
#29
Tetrahydrofuran
Concen: 105.369 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.6	37.8	56.6
71	45.4	36.2	54.2

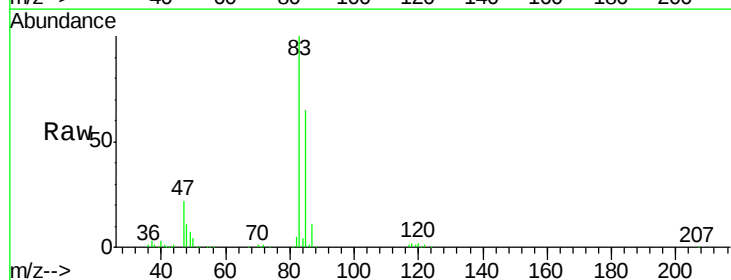


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

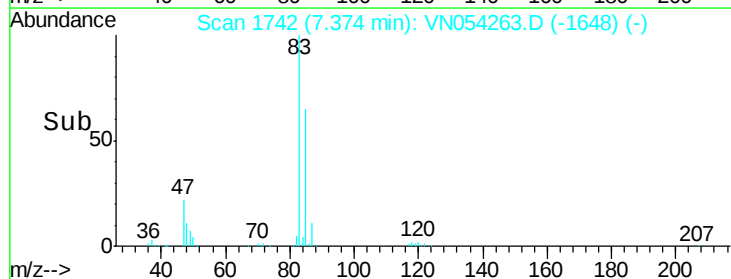
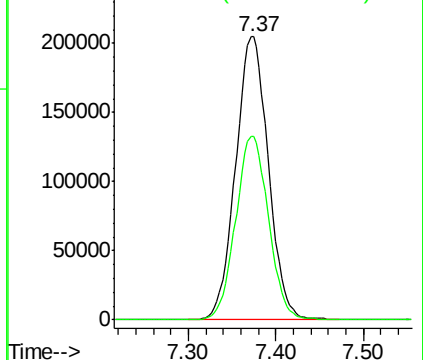


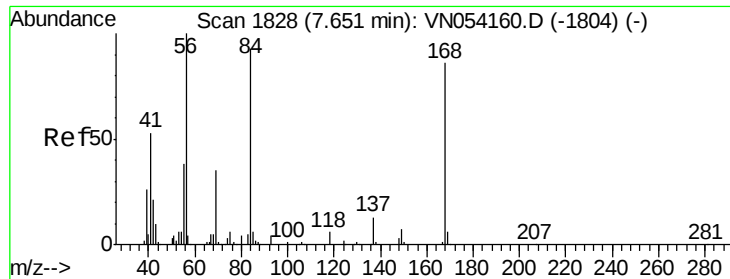
#30
Chloroform
Concen: 21.585 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.4



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

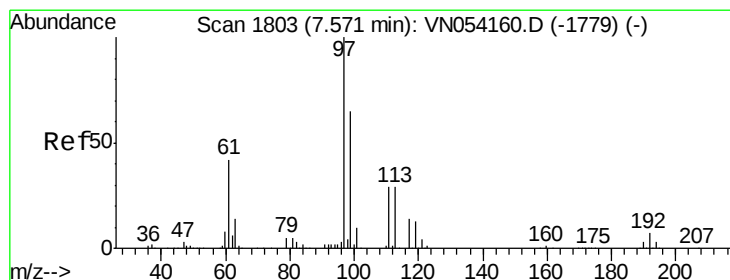
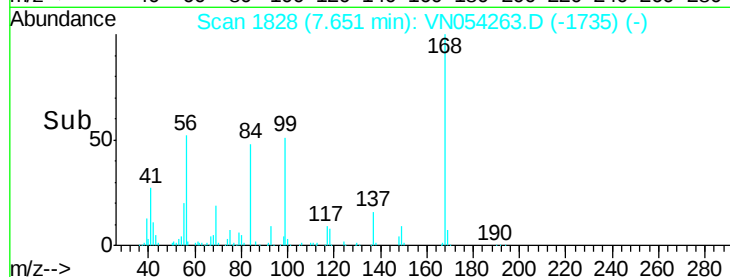
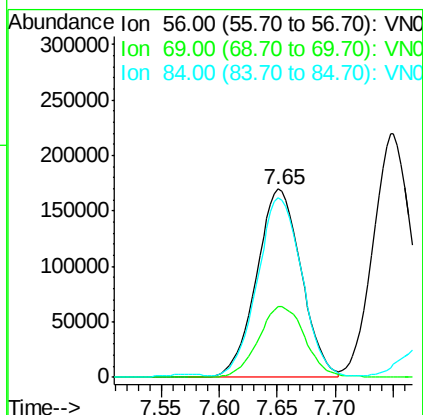
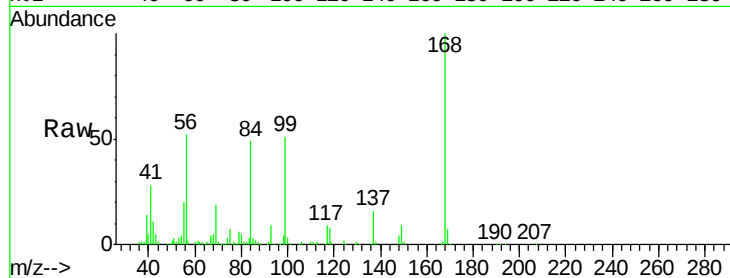




#31
Cyclohexane
Concen: 19.854 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

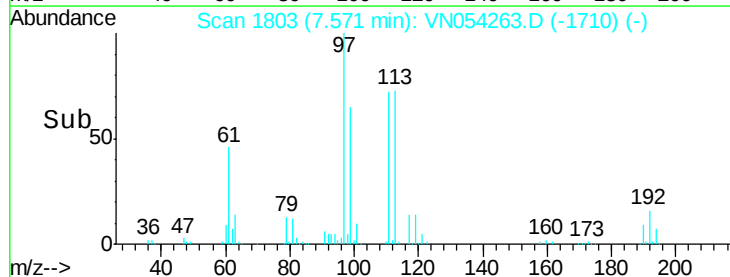
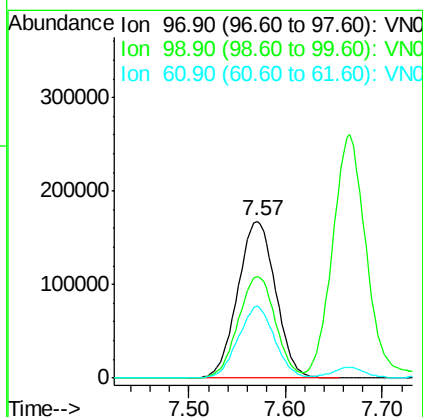
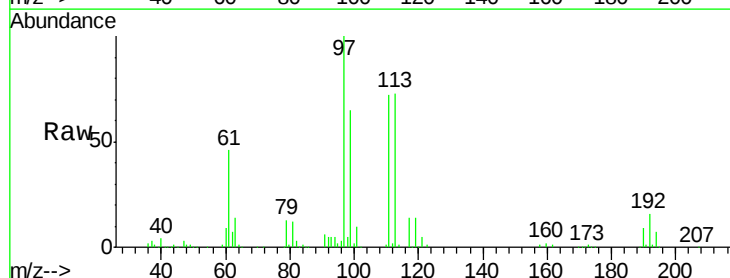
Instrument :
MSVOA_N
ClientSampled :
VN0314WBSD01

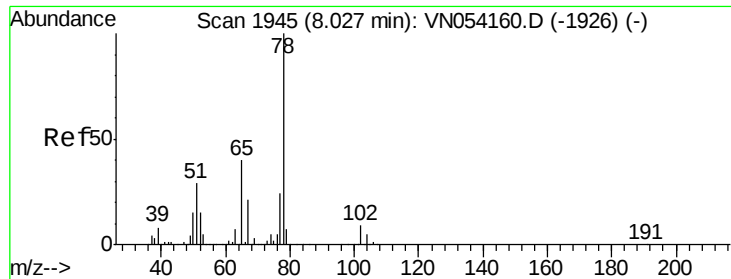
Tot Ion: 56 Resp: 454801
Ion Ratio Lower Upper
56 100
69 37.4 27.8 41.6
84 93.7 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 20.534 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion: 97 Resp: 457105
Ion Ratio Lower Upper
97 100
99 63.8 51.5 77.3
61 43.8 33.6 50.4

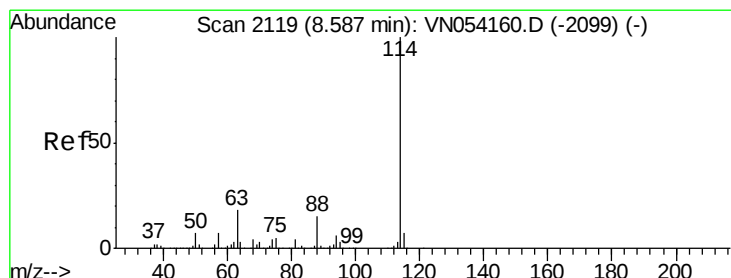
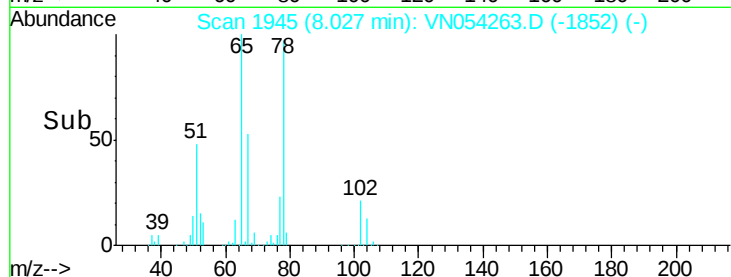
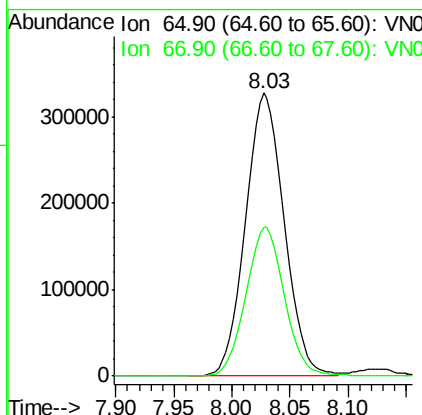
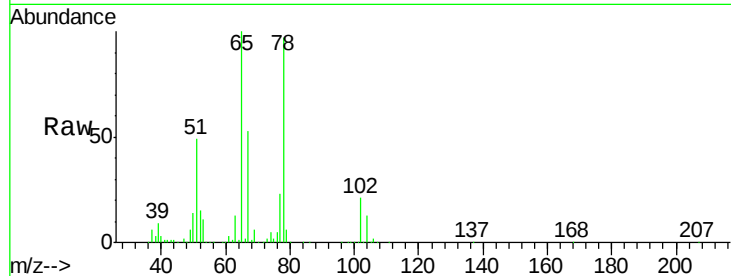




#33
 1,2-Dichloroethane-d4
 Concen: 51.694 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

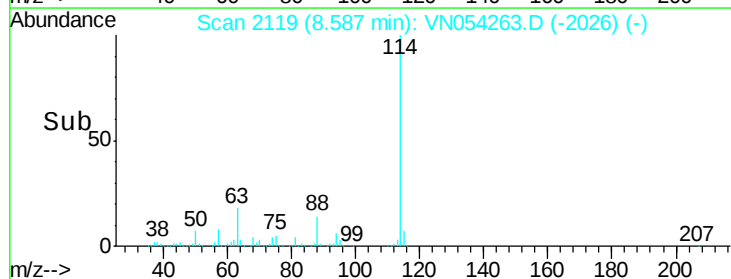
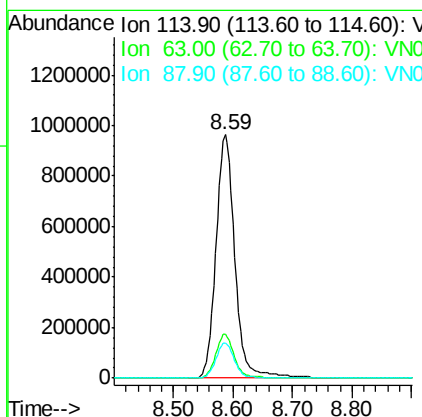
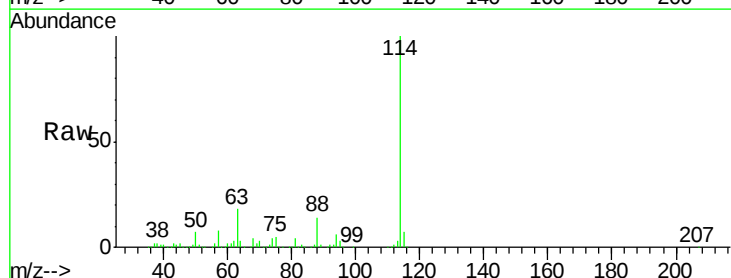
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBSD01

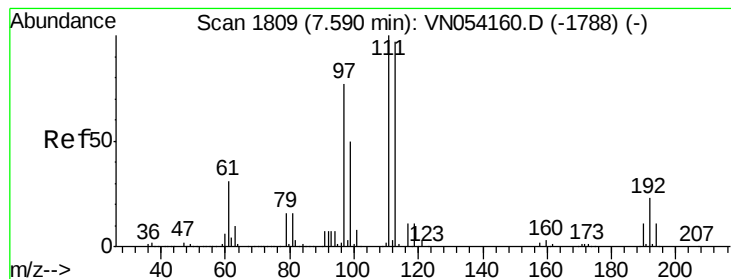
Tot Ion: 65 Resp: 759171
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Tgt Ion: 114 Resp: 2119162
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.2
 88 14.4 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.161 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

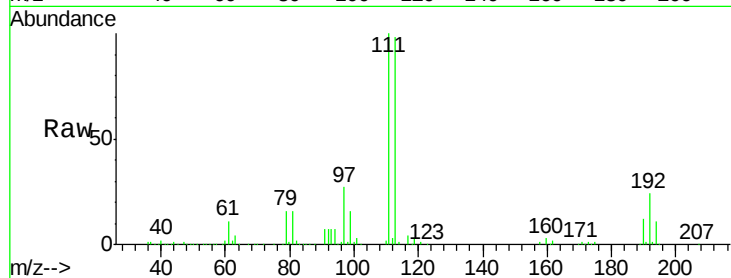
Tot Ion:113 Resp: 699252

Ion Ratio Lower Upper

113 100

111 100.8 82.2 123.4

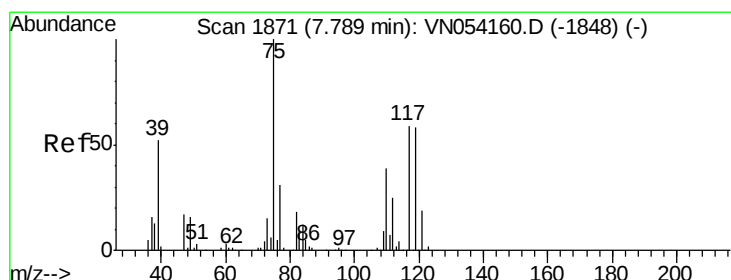
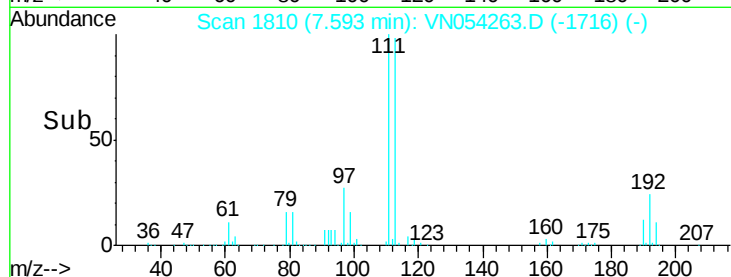
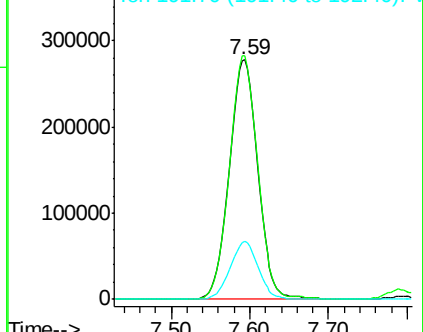
192 23.8 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.183 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

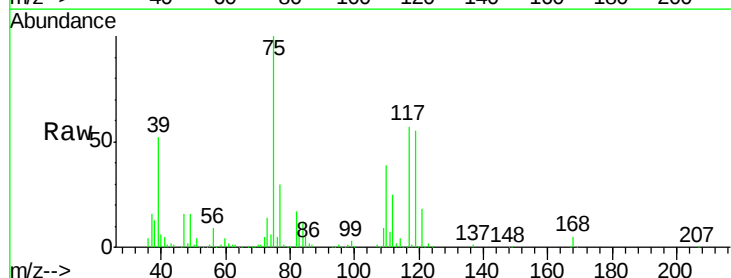
Tgt Ion: 75 Resp: 393881

Ion Ratio Lower Upper

75 100

110 39.6 19.1 57.5

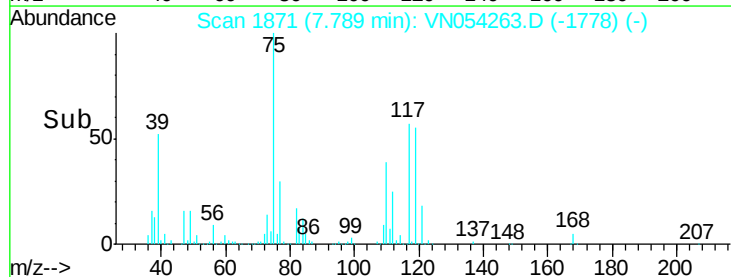
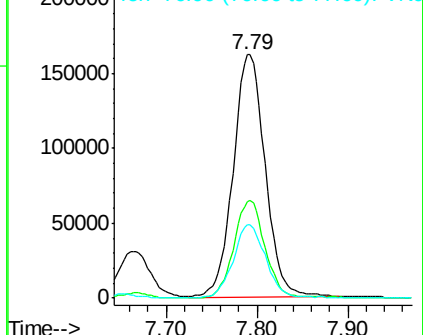
77 31.0 25.0 37.4

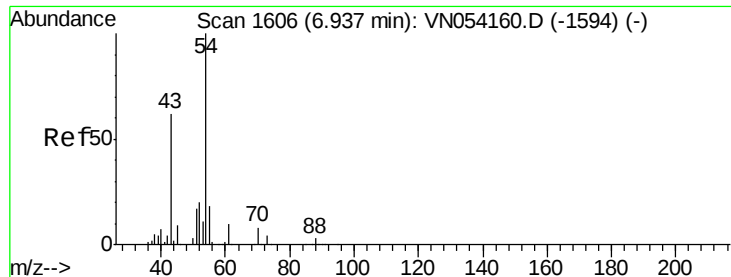


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

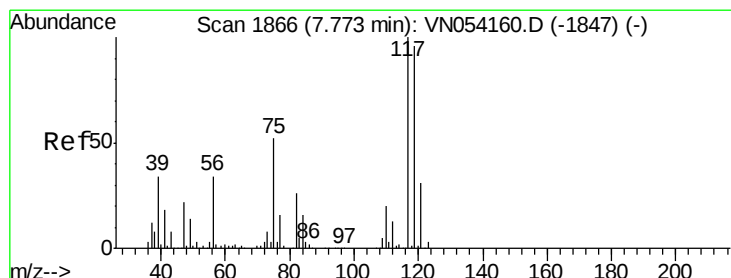
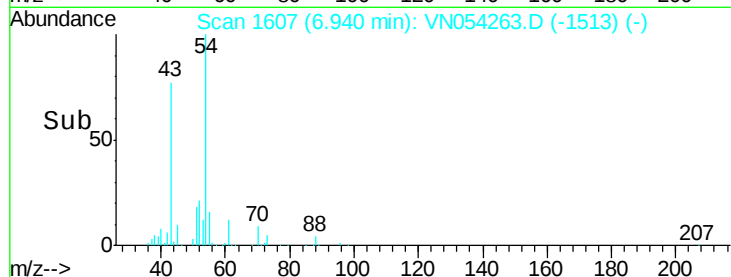
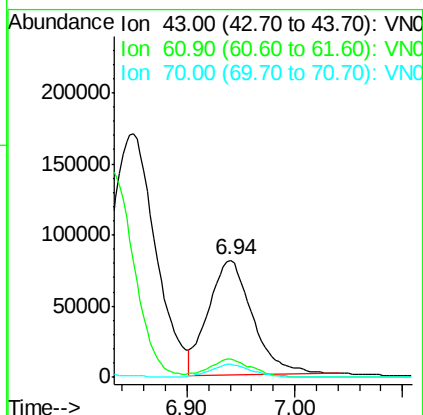
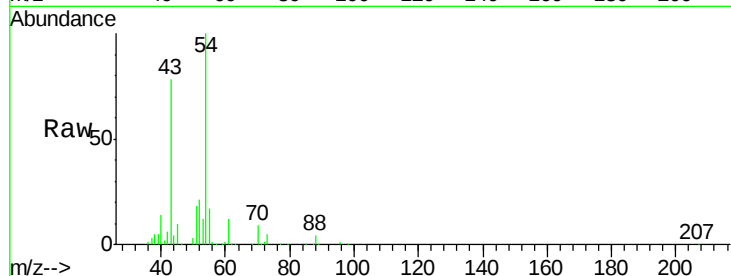




#37
Ethyl Acetate
Concen: 20.370 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

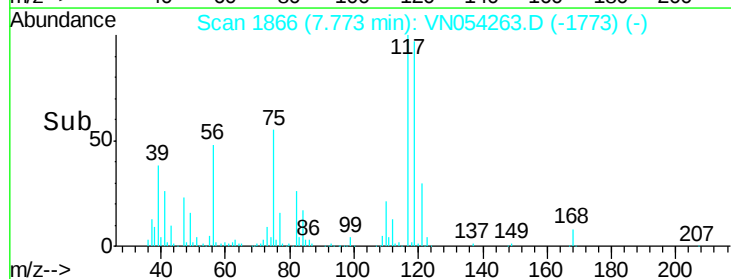
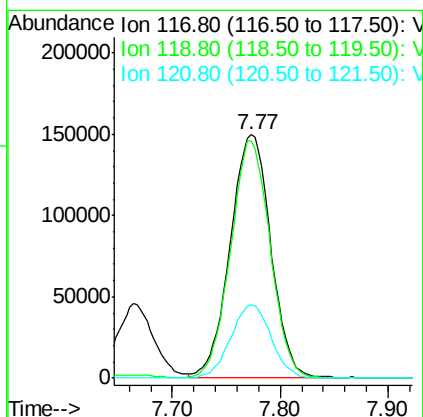
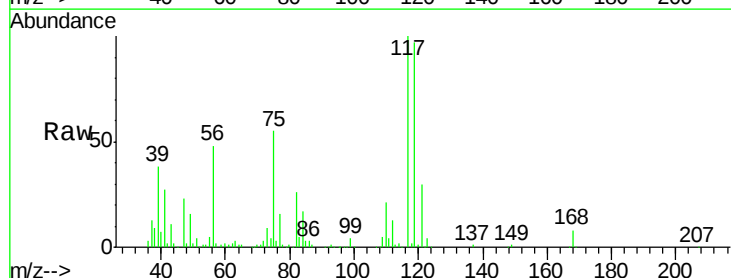
Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

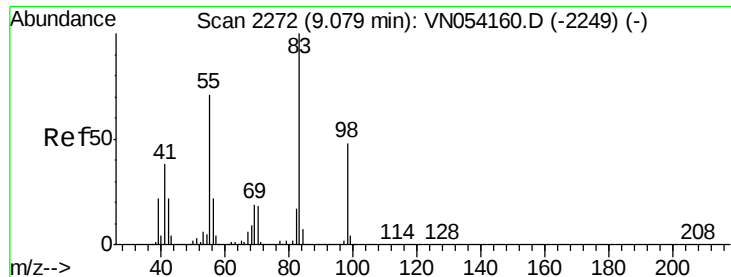
Tot Ion: 43 Resp: 228421
Ion Ratio Lower Upper
43 100
61 13.8 11.8 17.6
70 10.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.024 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion: 117 Resp: 389331
Ion Ratio Lower Upper
117 100
119 97.3 76.3 114.5
121 30.4 24.6 36.8

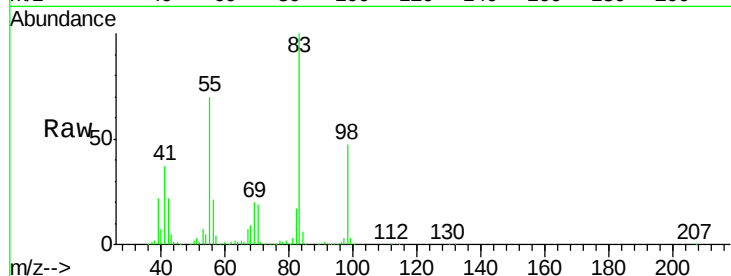




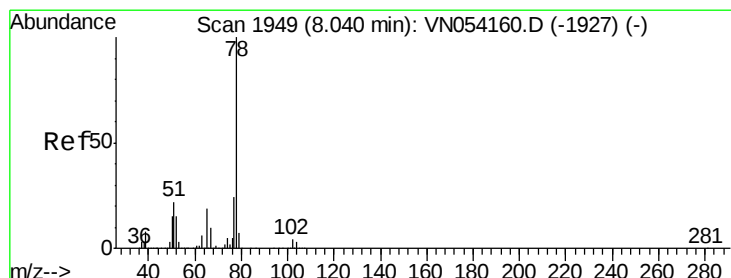
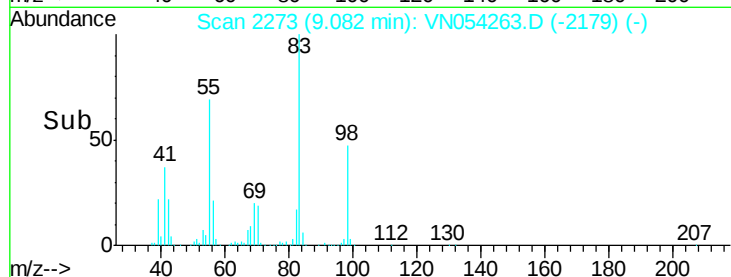
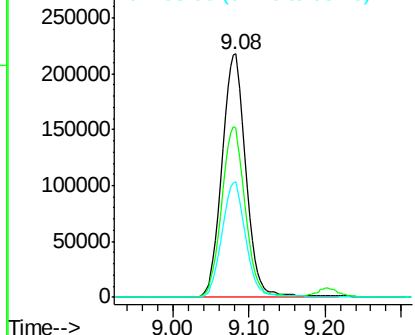
#39
Methvlcvclohexane
Concen: 20.023 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

Tot Ion: 83 Resp: 480775
Ion Ratio Lower Upper
83 100
55 69.5 56.6 84.8
98 47.3 38.4 57.6

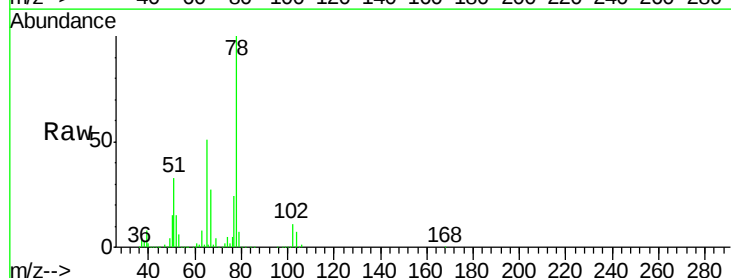


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

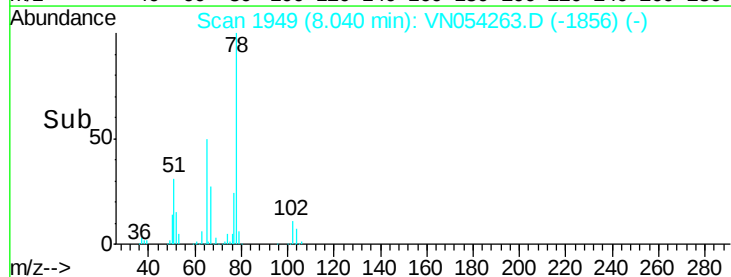
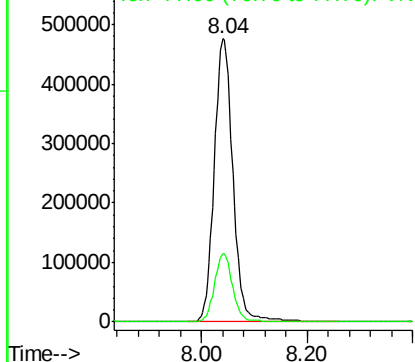


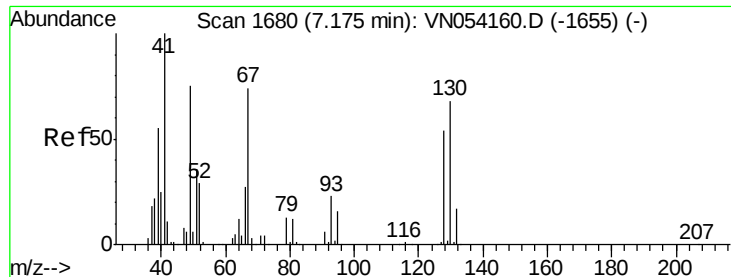
#40
Benzene
Concen: 20.928 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion: 78 Resp: 1168740
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

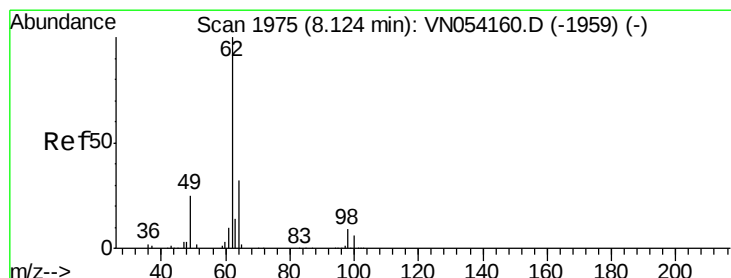
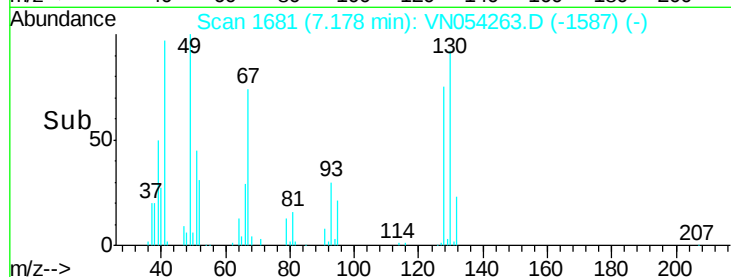
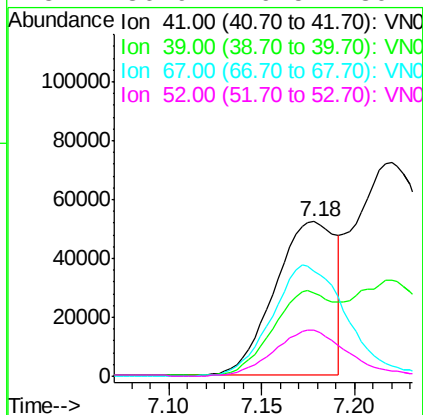
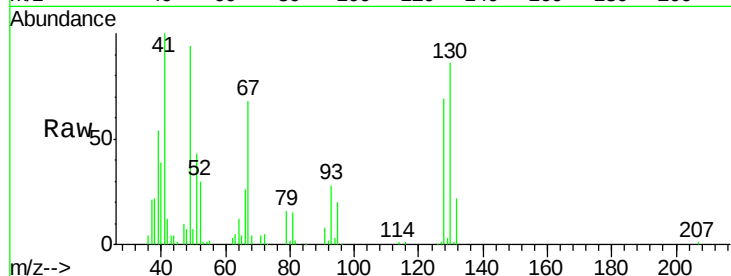




#41
Methacrylonitrile
Concen: 18.592 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

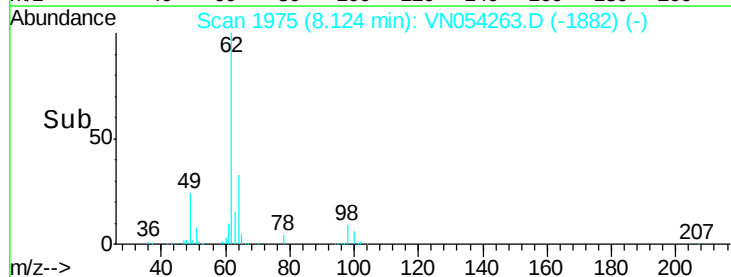
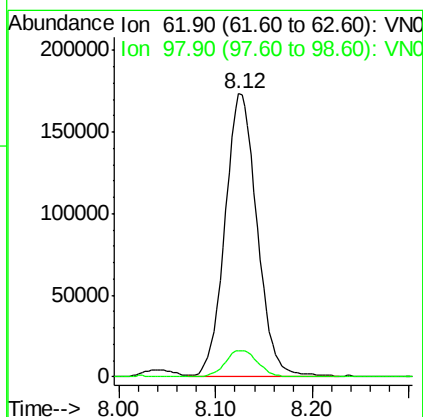
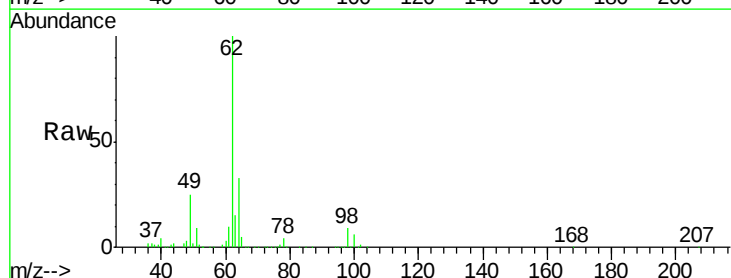
Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

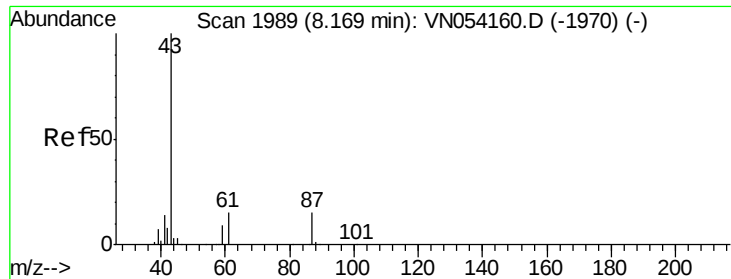
Tot Ion:	41	Resp:	119038
Ion	Ratio	Lower	Upper
41	100		
39	55.0	46.8	70.2
67	89.8	67.0	100.4
52	36.9	26.5	39.7



#42
1,2-Dichloroethane
Concen: 21.074 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion:	62	Resp:	397335
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4



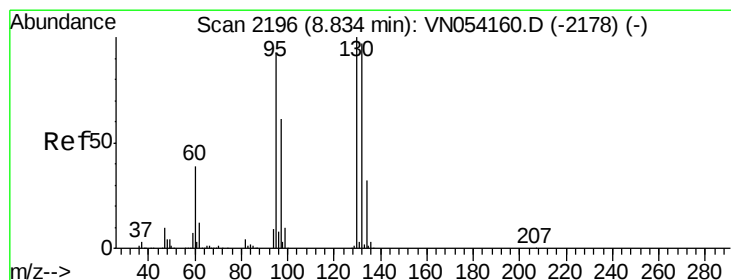
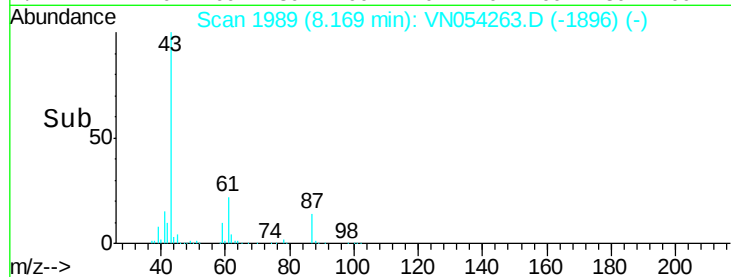
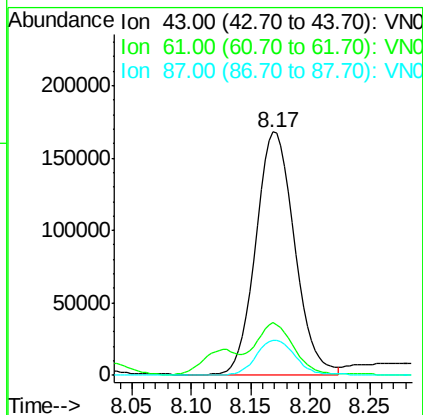
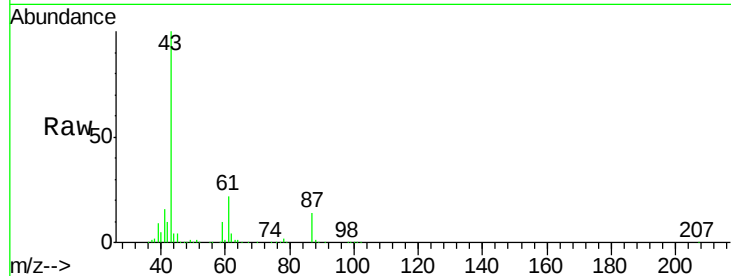


#43

Isopropyl Acetate
 Concen: 19.219 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBSD01

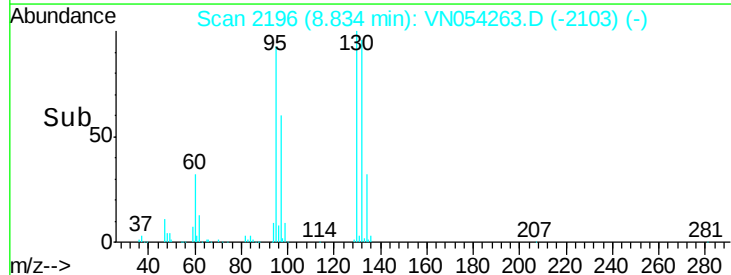
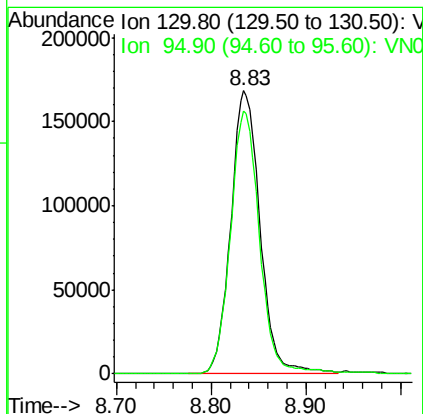
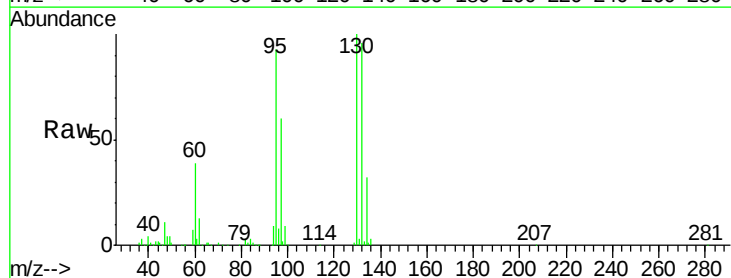
Tot Ion	43	Resp	378276
Ion Ratio	Lower	Upper	
43	100		
61	19.6	15.8	23.8
87	14.9	12.0	18.0

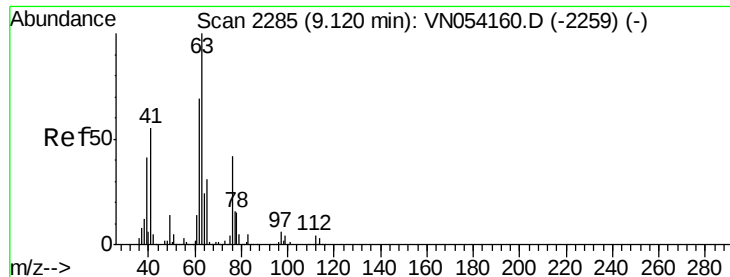


#44

Trichloroethene
 Concen: 20.926 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Tgt Ion	130	Resp	363031
Ion Ratio	Lower	Upper	
130	100		
95	93.0	0.0	185.2





#45

1,2-Dichloropropane

Concen: 21.251 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

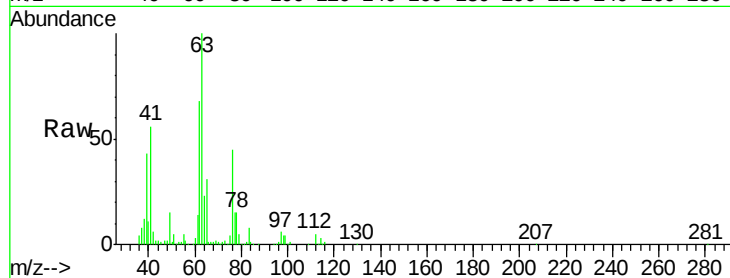
VN0314WBSD01

Tot Ion: 63 Resp: 294692

Ion Ratio Lower Upper

63 100

65 31.1 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.12

150000

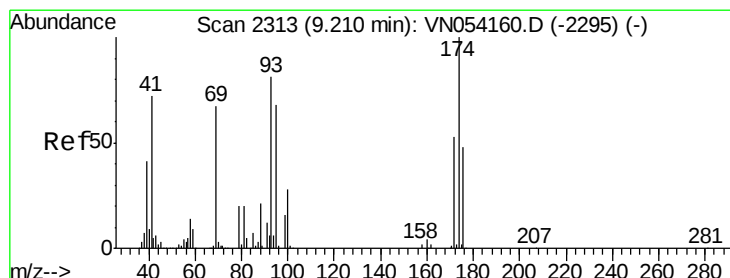
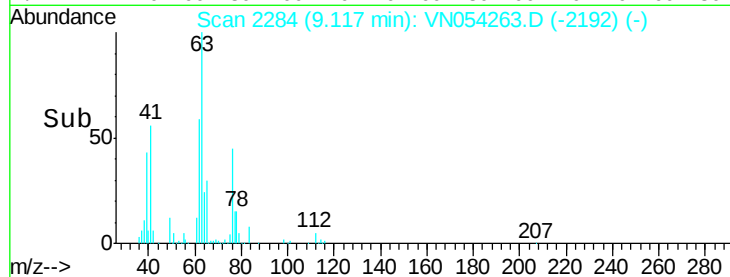
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 21.019 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

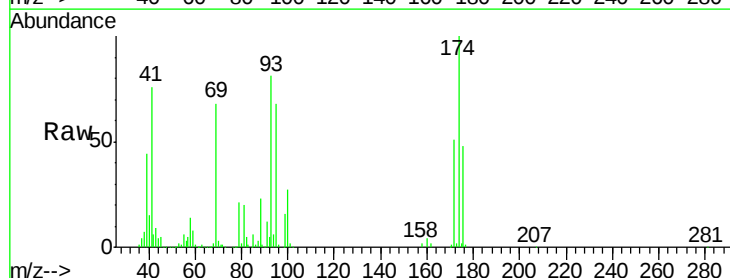
Tgt Ion: 93 Resp: 196935

Ion Ratio Lower Upper

93 100

95 83.4 66.7 100.1

174 122.1 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

150000

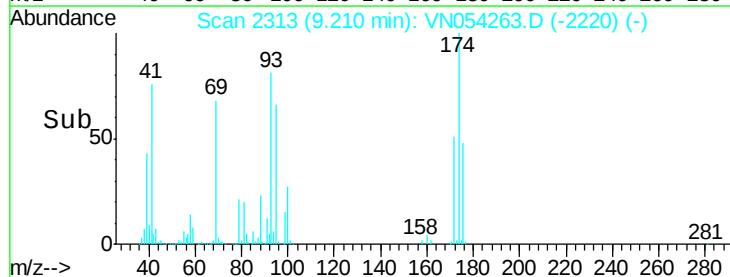
100000

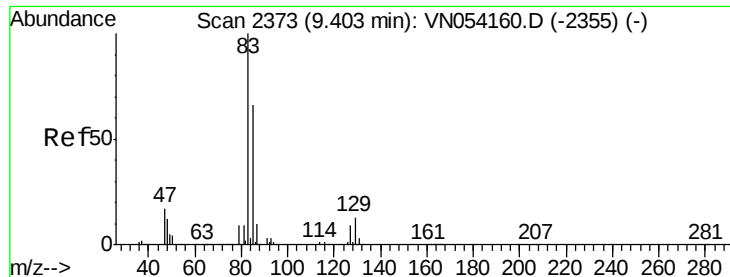
50000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 20.393 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

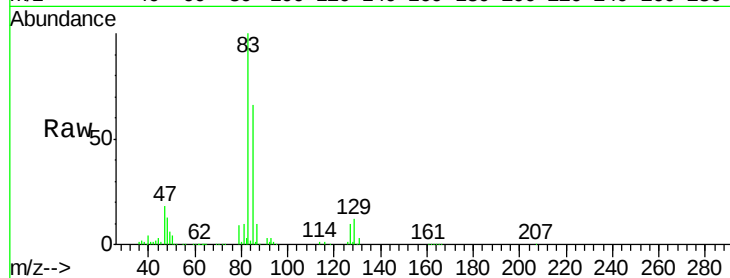
Tot Ion: 83 Resp: 383055

Ion Ratio Lower Upper

83 100

85 65.9 52.8 79.2

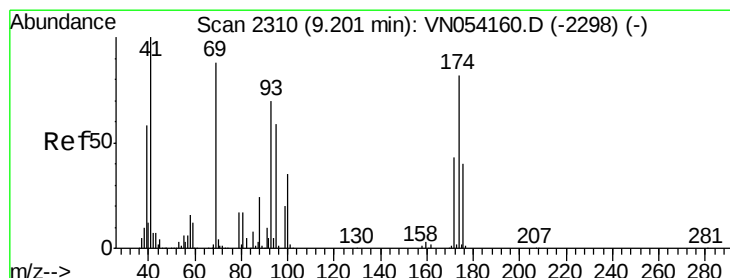
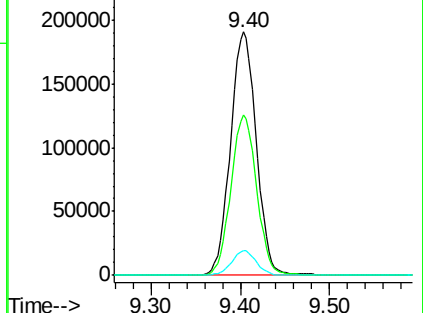
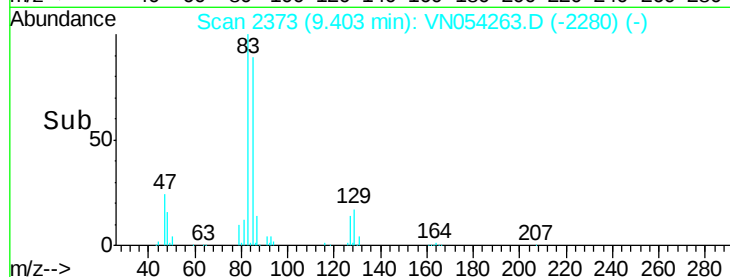
127 10.3 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.492 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

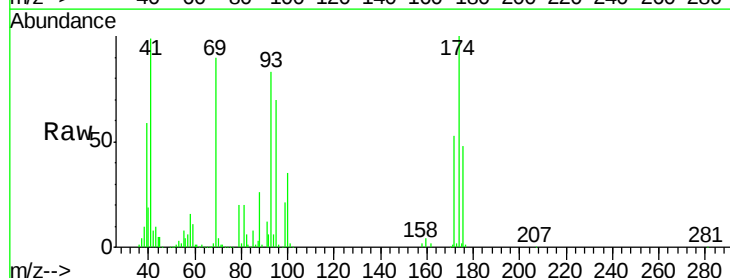
Tgt Ion: 41 Resp: 204692

Ion Ratio Lower Upper

41 100

69 92.9 72.6 108.8

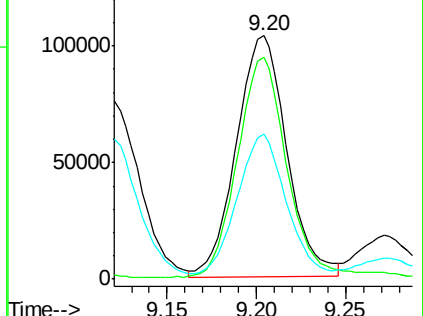
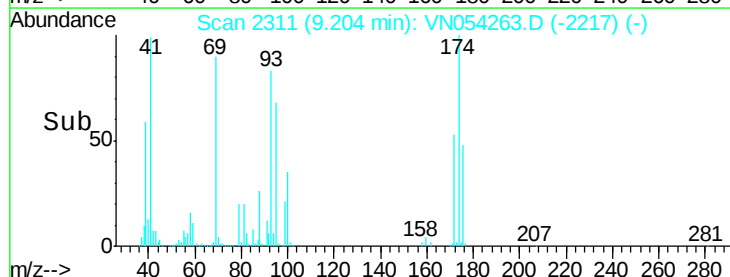
39 59.1 47.5 71.3

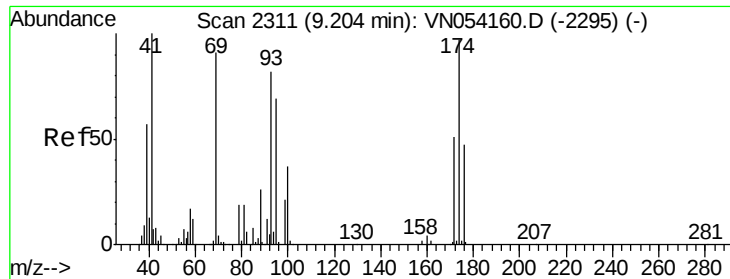


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

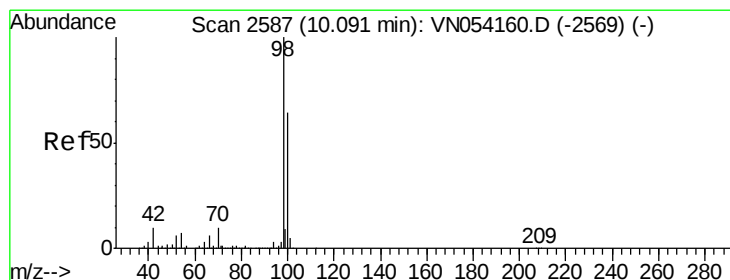
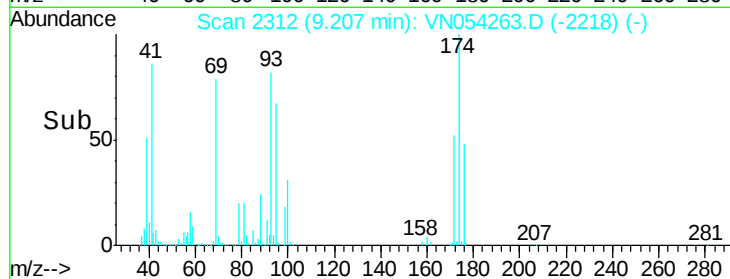
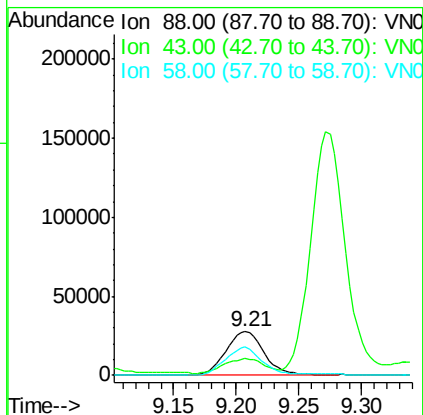
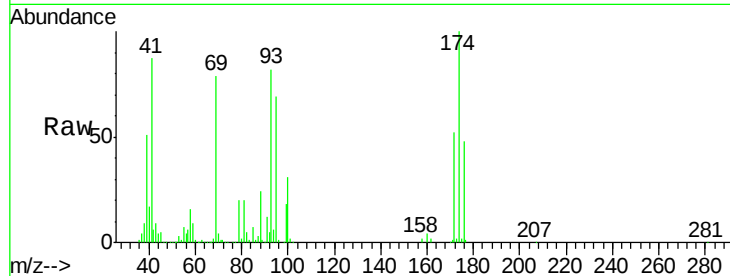




#49
1,4-Dioxane
Concen: 421.825 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

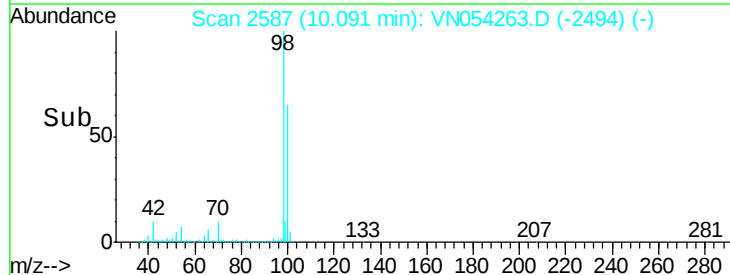
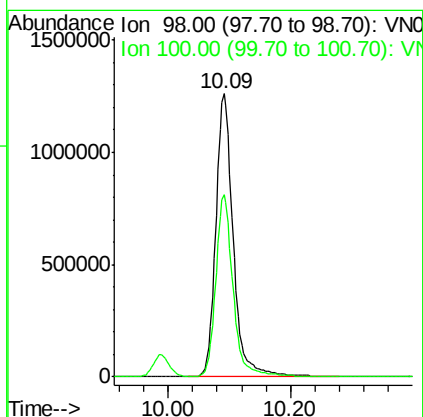
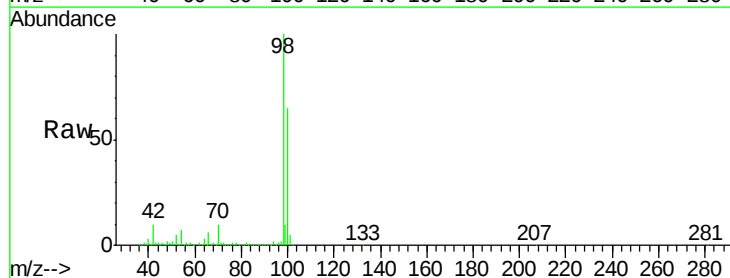
Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

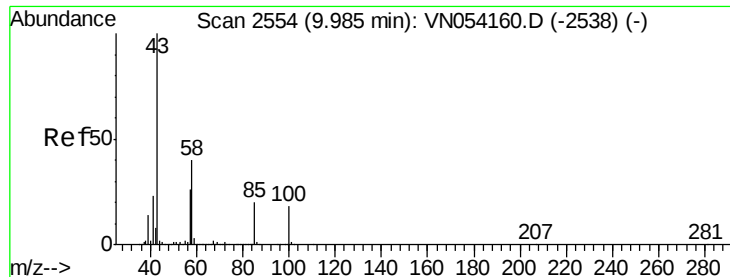
Tot Ion: 88 Resp: 59599
Ion Ratio Lower Upper
88 100
43 34.0 24.1 36.1
58 61.1 50.8 76.2



#50
Toluene-d8
Concen: 49.591 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion: 98 Resp: 2503175
Ion Ratio Lower Upper
98 100
100 63.2 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 103.304 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

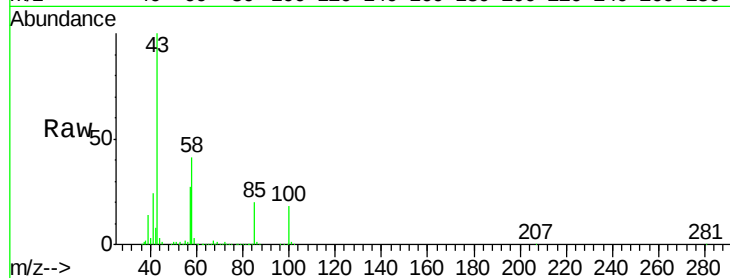
VN0314WBSD01

Tot Ion: 43 Resp: 1076041

Ion Ratio Lower Upper

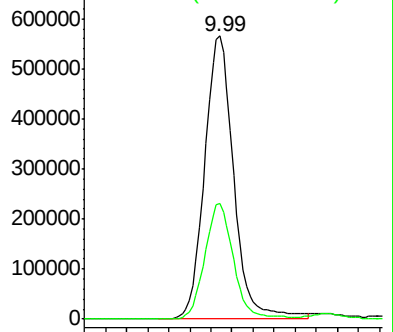
43 100

58 40.6 31.8 47.6

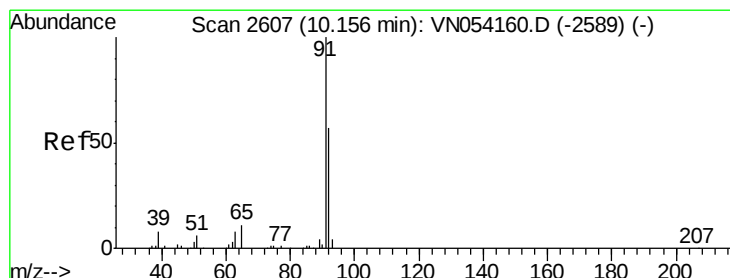
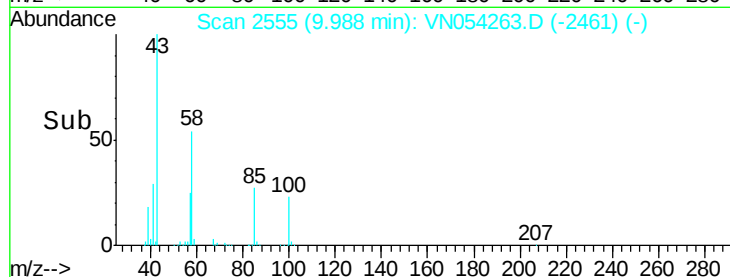


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 20.741 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054263.D

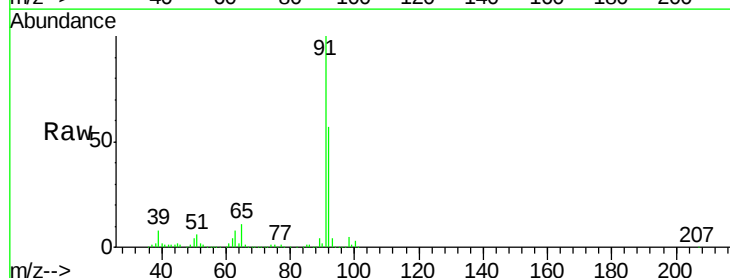
Acq: 14 Mar 2019 15:47

Tgt Ion: 92 Resp: 734427

Ion Ratio Lower Upper

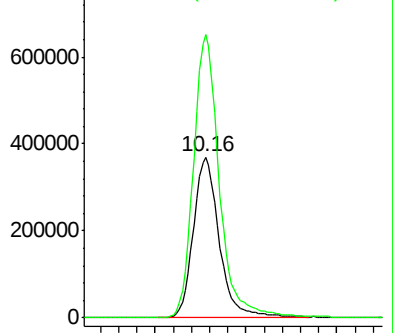
92 100

91 176.5 140.7 211.1

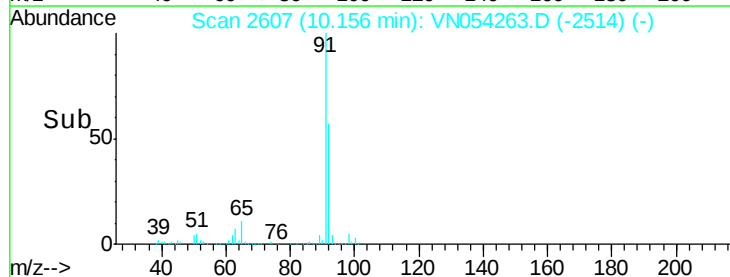


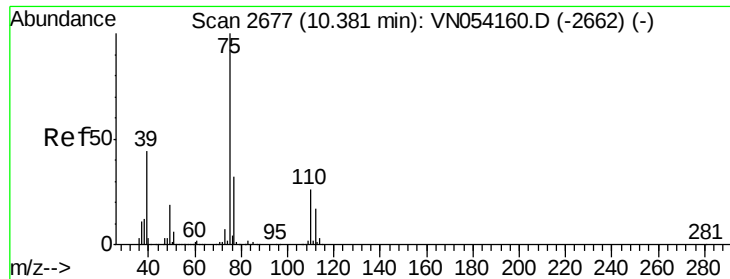
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





#53

t-1,3-Dichloropropene

Concen: 17.444 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

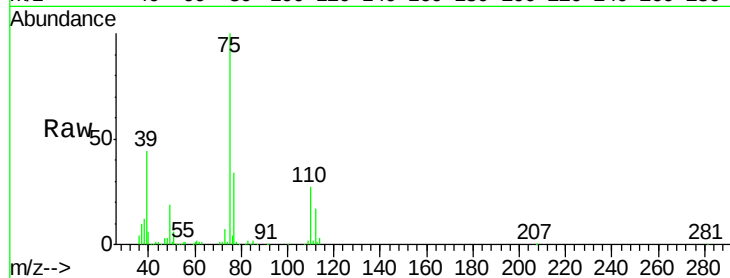
VN0314WBSD01

Tot Ion: 75 Resp: 345830

Ion Ratio Lower Upper

75 100

77 33.2 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

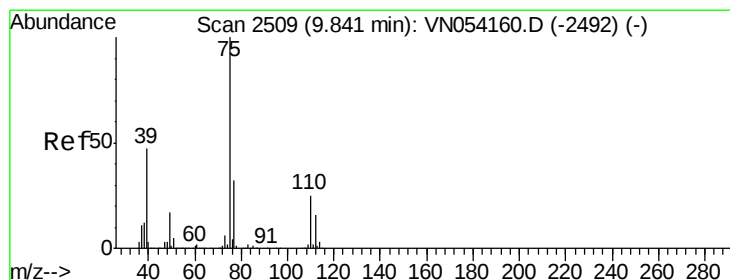
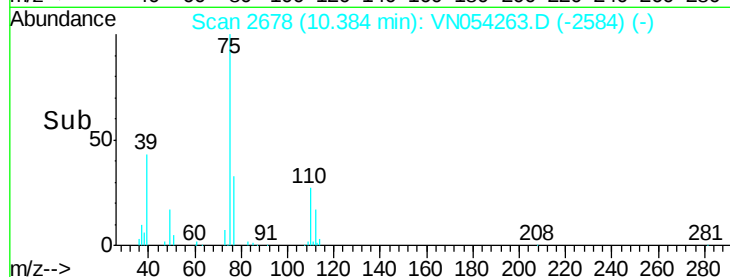
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.234 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

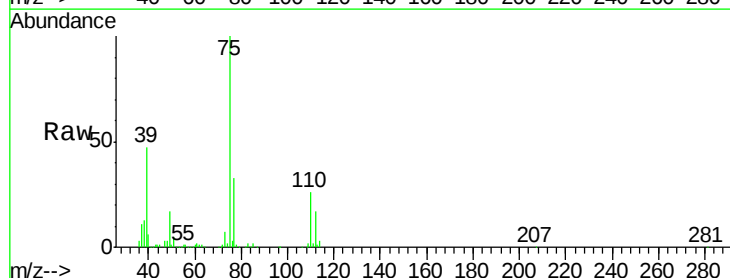
Tgt Ion: 75 Resp: 421005

Ion Ratio Lower Upper

75 100

77 33.0 25.4 38.0

39 46.7 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

300000

250000

200000

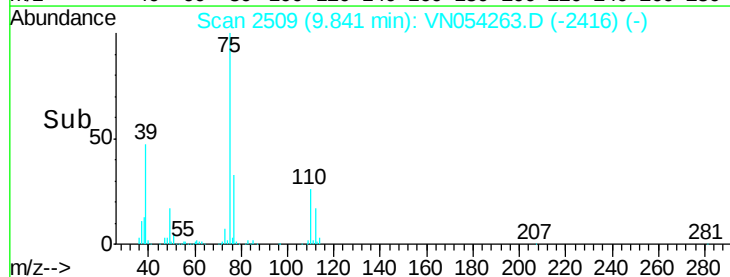
150000

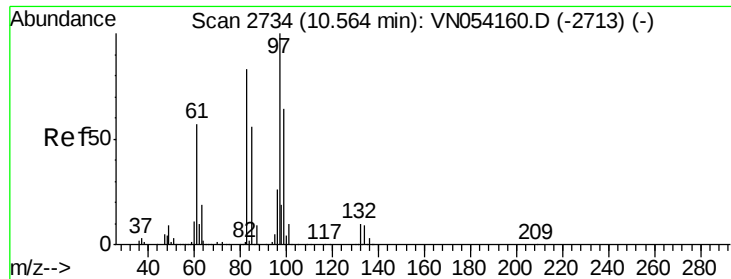
100000

50000

0

Time-->

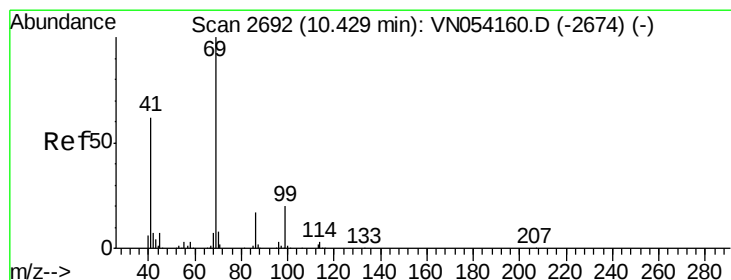
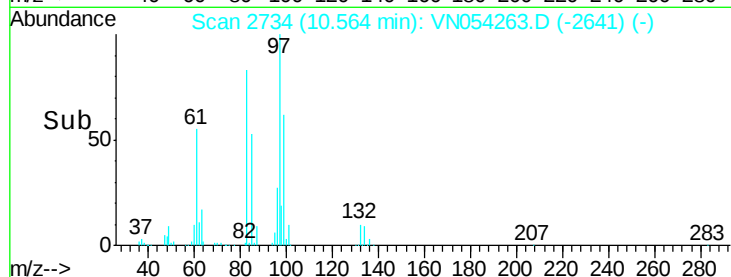
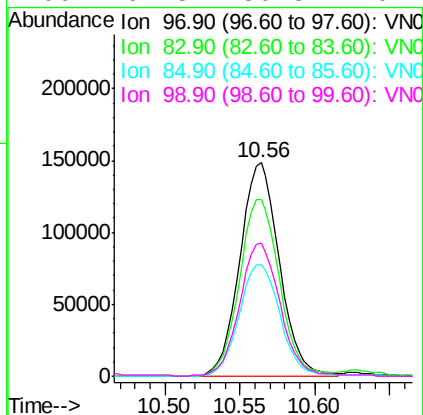
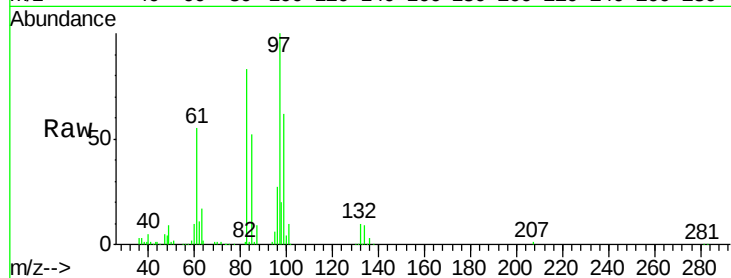




#55
 1,1,2-Trichloroethane
 Concen: 21.139 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

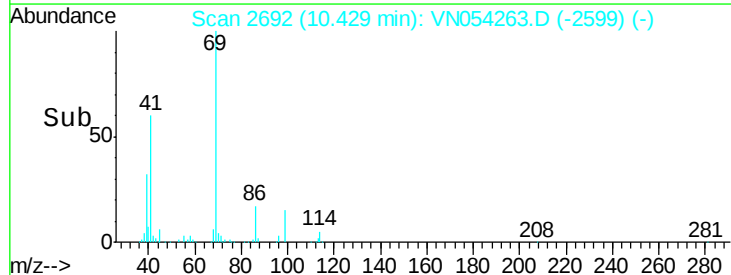
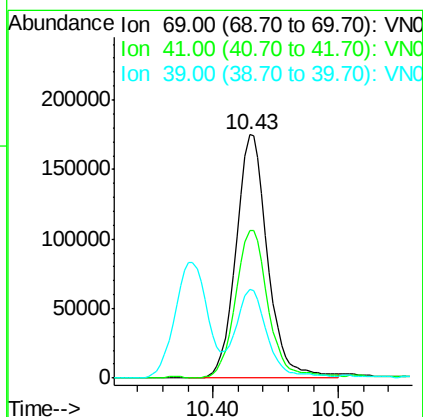
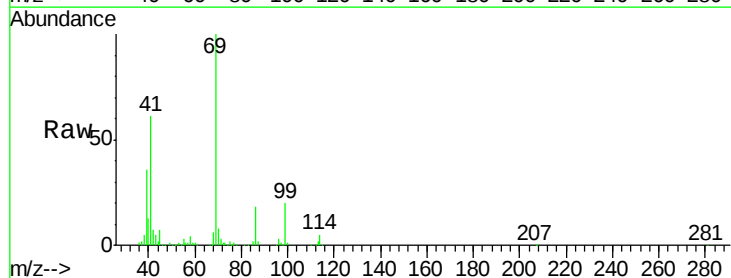
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBSD01

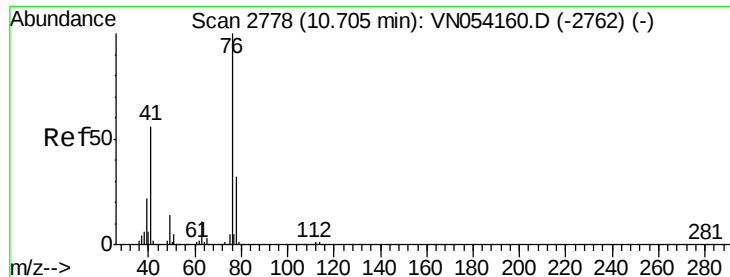
Tot Ion:	97	Resp:	273323
Ion	Ratio	Lower	Upper
97	100		
83	82.9	66.6	100.0
85	52.4	44.4	66.6
99	61.8	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 19.909 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Tgt Ion:	69	Resp:	306932
Ion	Ratio	Lower	Upper
69	100		
41	61.9	49.4	74.2
39	33.8	28.3	42.5





#57

1,3-Dichloropropane

Concen: 20.958 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

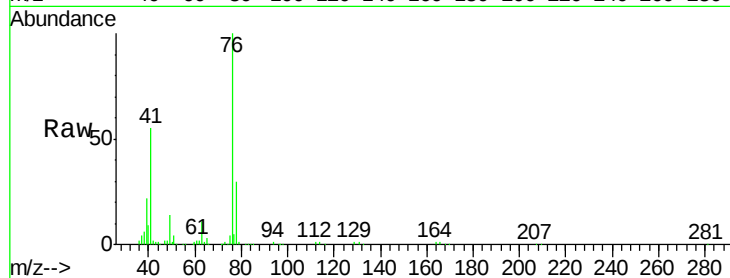
VN0314WBSD01

Tot Ion: 76 Resp: 443080

Ion Ratio Lower Upper

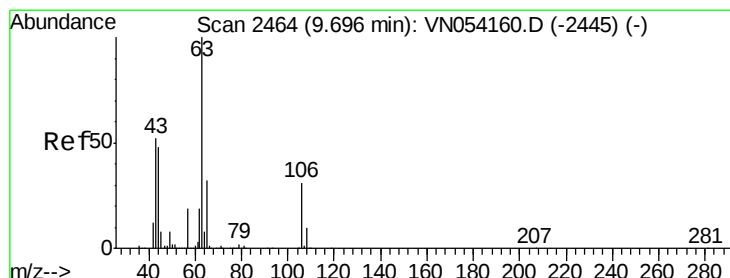
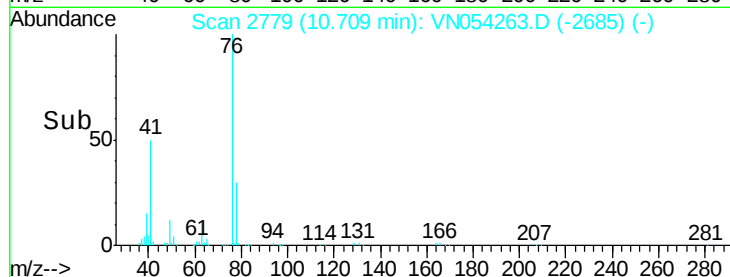
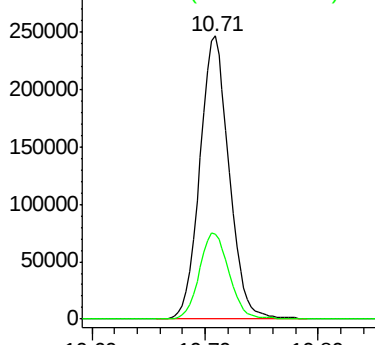
76 100

78 31.1 25.7 38.5



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: 99.088 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054263.D

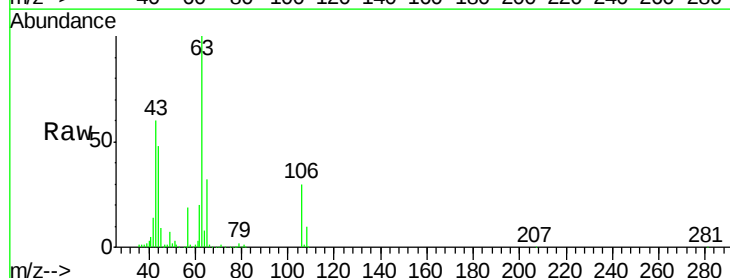
Acq: 14 Mar 2019 15:47

Tgt Ion: 63 Resp: 589903

Ion Ratio Lower Upper

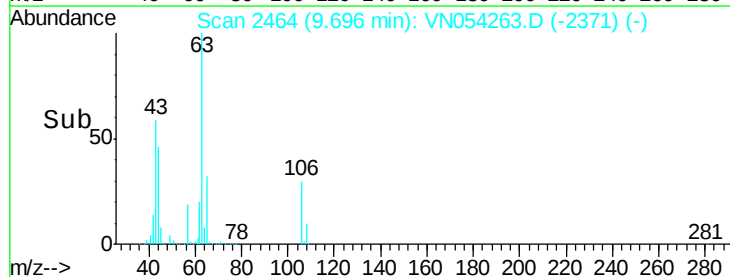
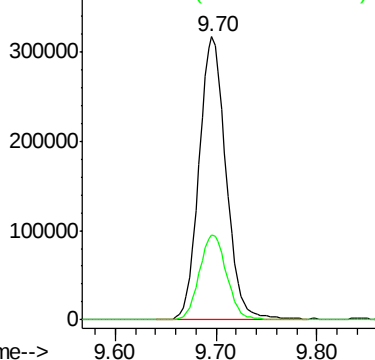
63 100

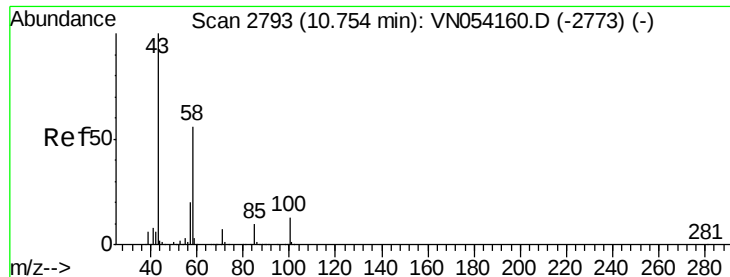
106 30.4 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

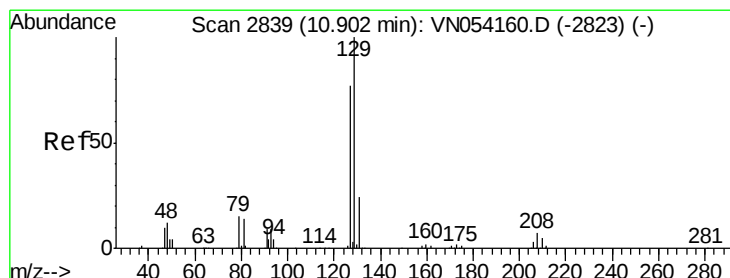
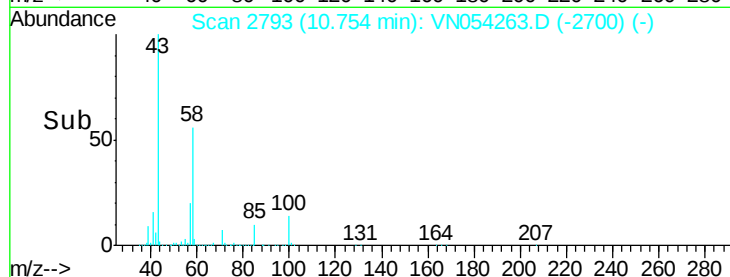
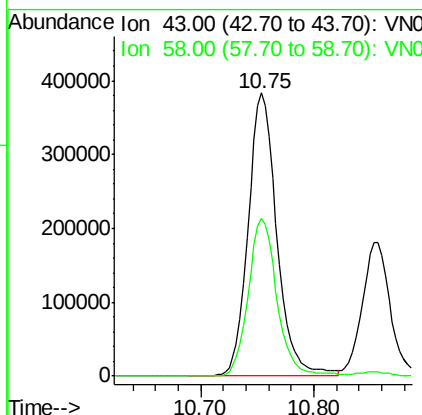
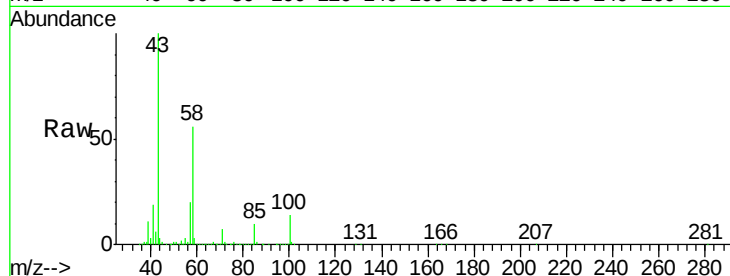




#59
2-Hexanone
Concen: 97.320 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

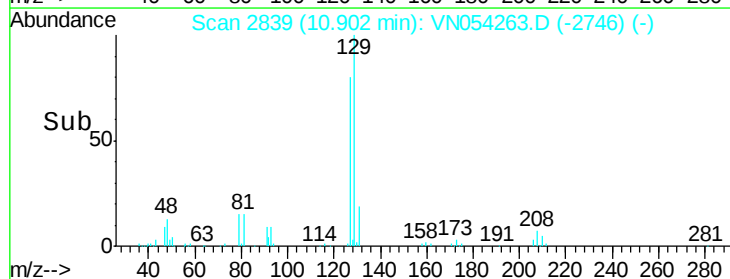
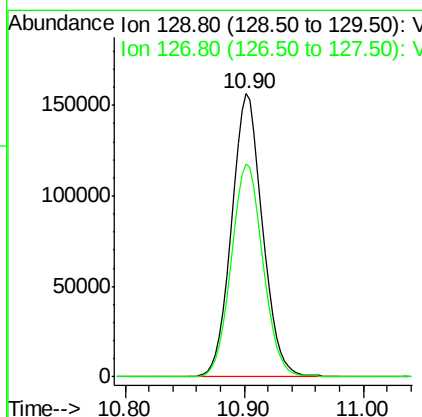
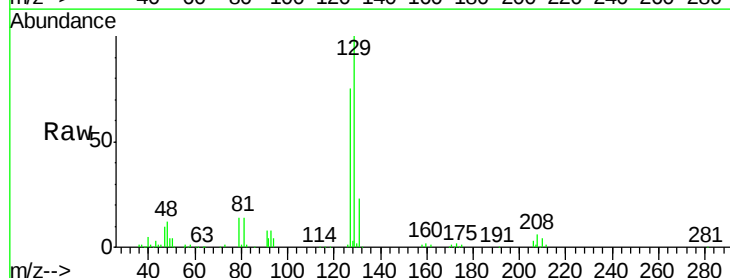
Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

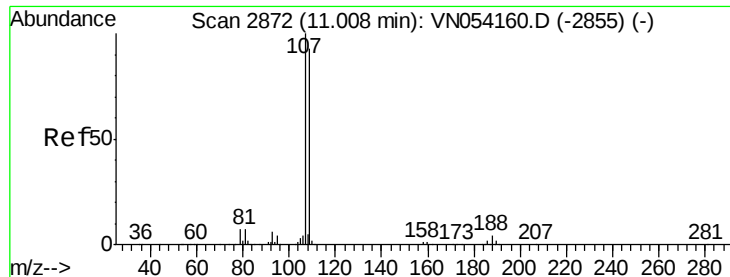
Tot Ion: 43 Resp: 674520
Ion Ratio Lower Upper
43 100
58 55.9 28.0 83.9



#60
Dibromochloromethane
Concen: 19.394 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion: 129 Resp: 282248
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

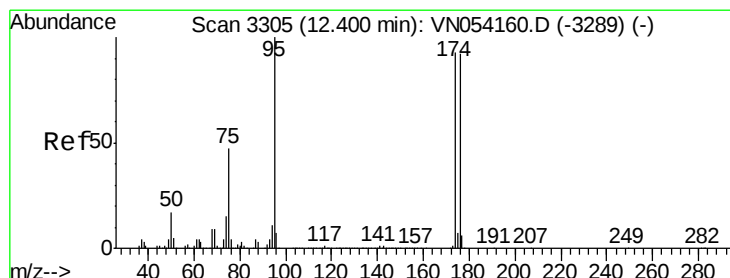
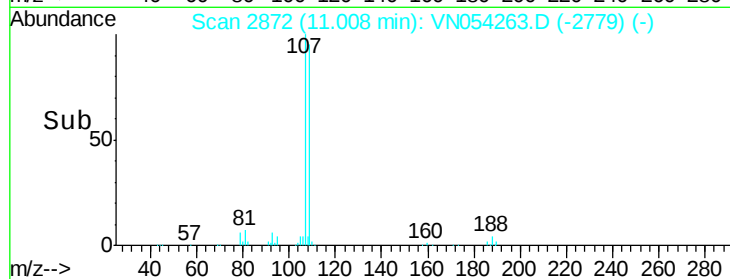
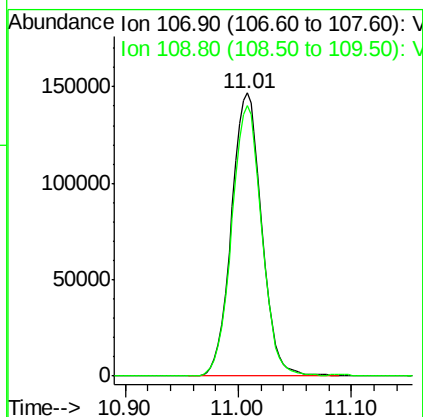
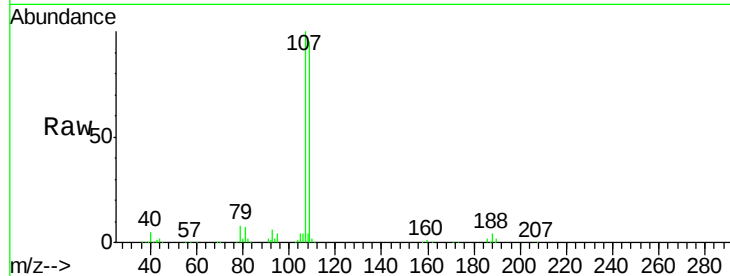




#61
 1,2-Dibromoethane
 Concen: 20.751 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

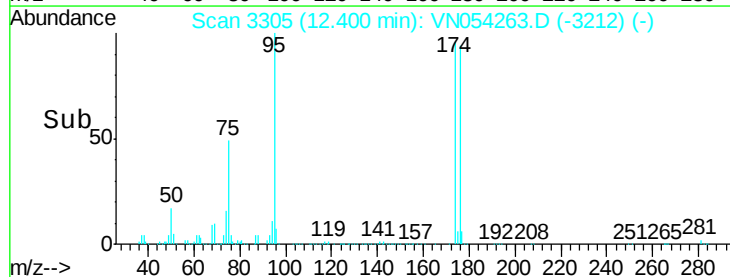
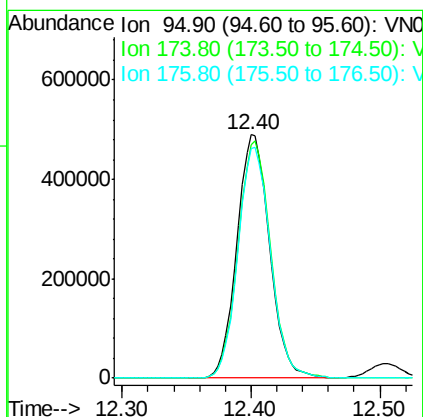
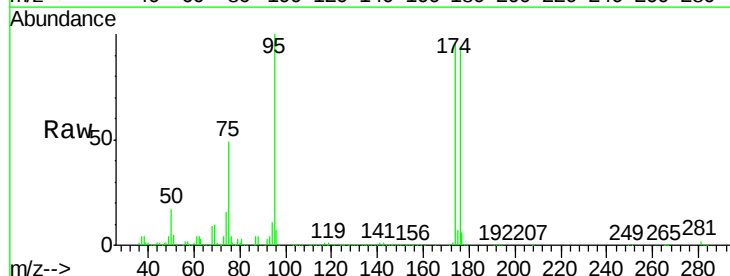
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBSD01

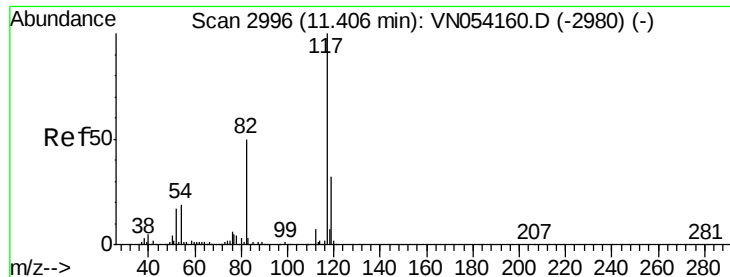
Tot Ion:107 Resp: 272650
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 48.996 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054263.D
 Acq: 14 Mar 2019 15:47

Tgt Ion: 95 Resp: 865367
 Ion Ratio Lower Upper
 95 100
 174 96.9 0.0 191.0
 176 94.6 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

VN0314WBSD01

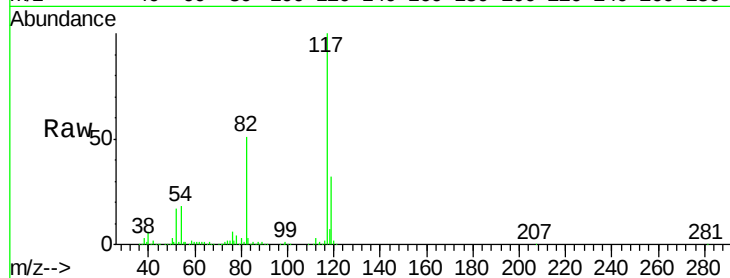
Tot Ion:117 Resp: 1858834

Ion Ratio Lower Upper

117 100

82 50.8 40.0 60.0

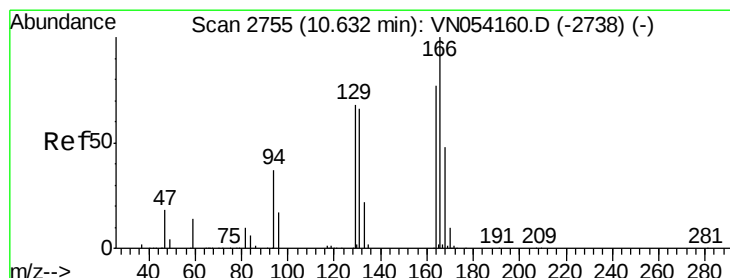
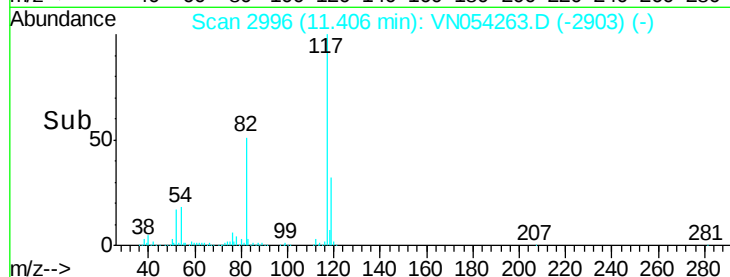
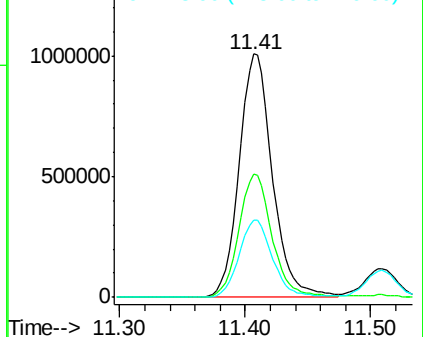
119 31.7 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.432 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Tgt Ion:164 Resp: 367206

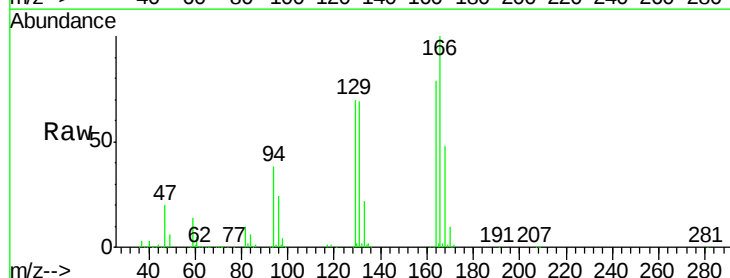
Ion Ratio Lower Upper

164 100

166 127.4 103.9 155.9

129 88.9 71.1 106.7

131 87.8 68.2 102.4

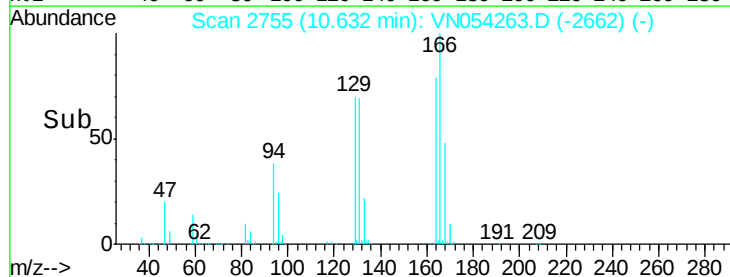
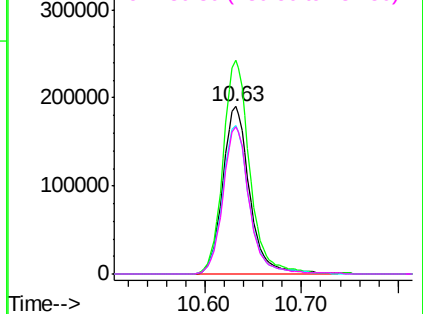


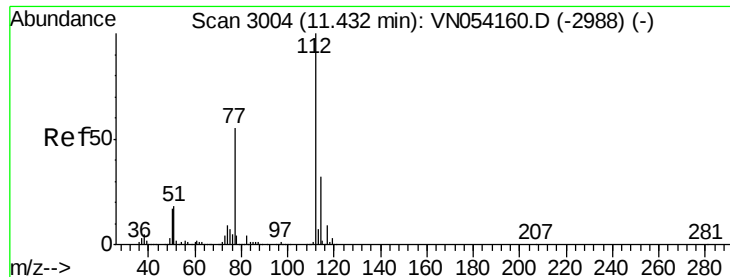
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.918 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

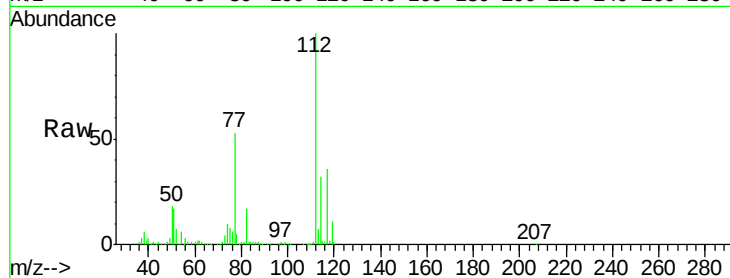
VN0314WBSD01

Tot Ion:112 Resp: 853765

Ion Ratio Lower Upper

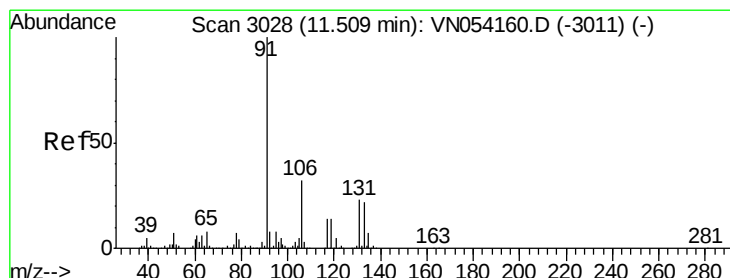
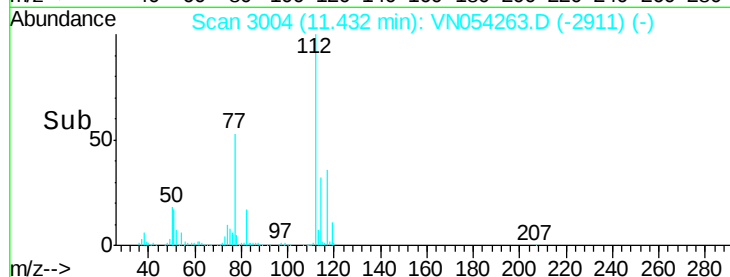
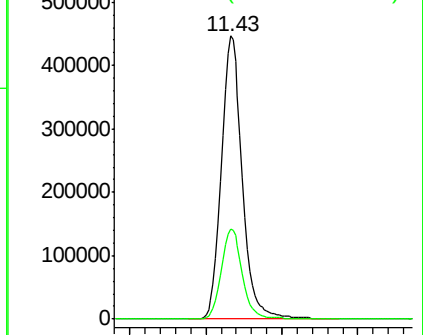
112 100

114 31.8 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.253 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

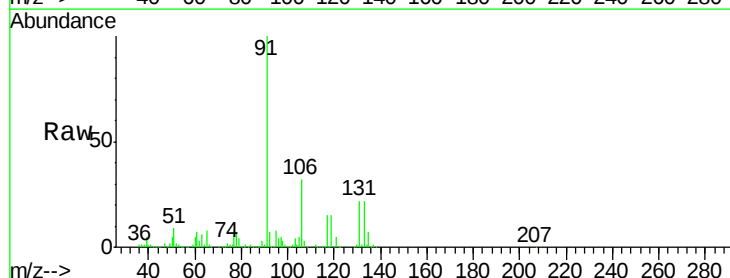
Tgt Ion:131 Resp: 300286

Ion Ratio Lower Upper

131 100

133 96.2 47.6 142.9

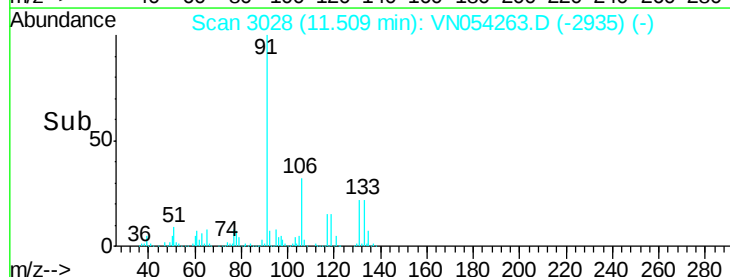
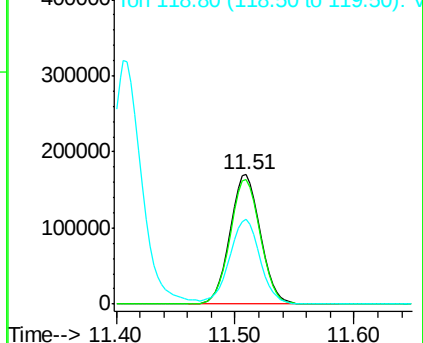
119 66.3 32.4 97.0

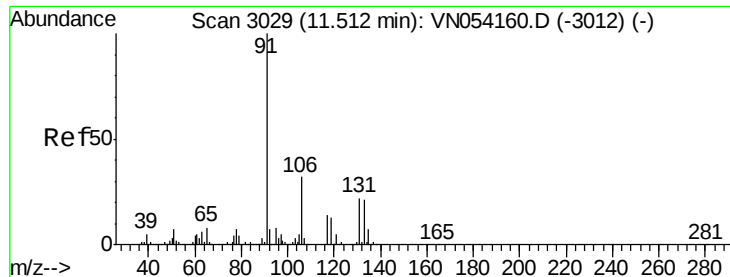


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.463 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

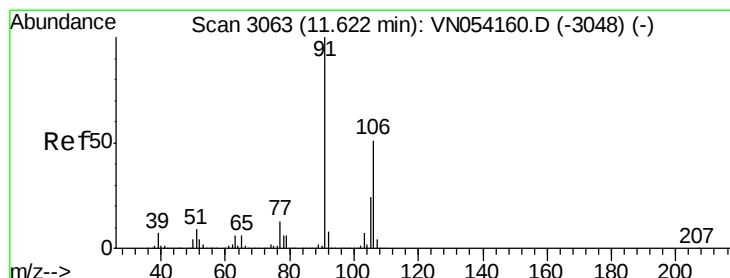
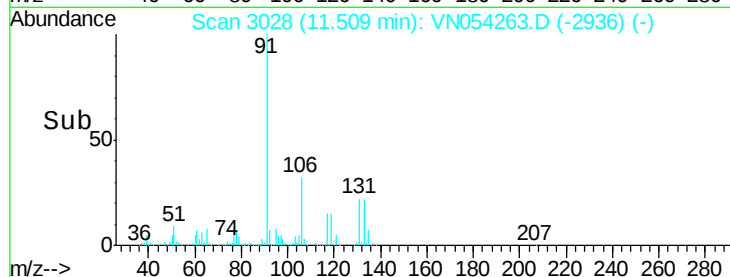
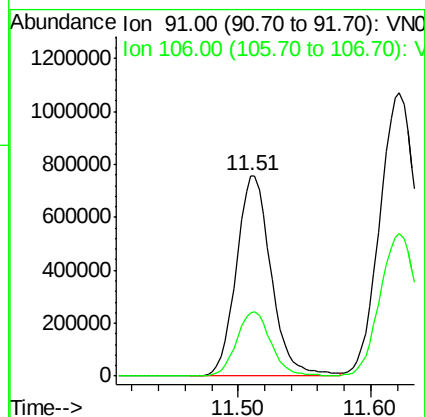
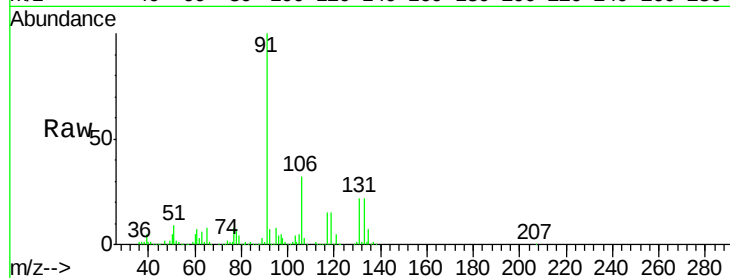
VN0314WBSD01

Tot Ion: 91 Resp: 1384484

Ion Ratio Lower Upper

91 100

106 31.7 25.5 38.3



#68

m/p-Xylenes

Concen: 40.934 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054263.D

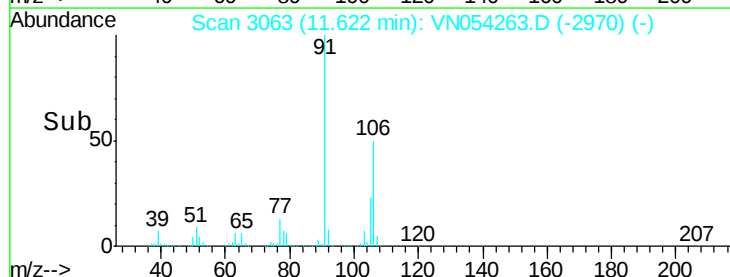
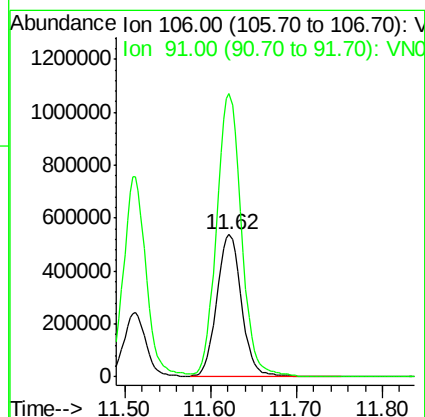
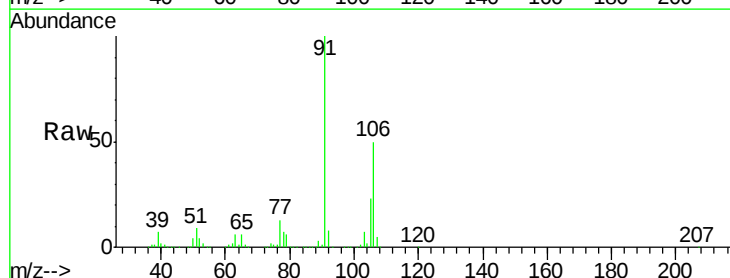
Acq: 14 Mar 2019 15:47

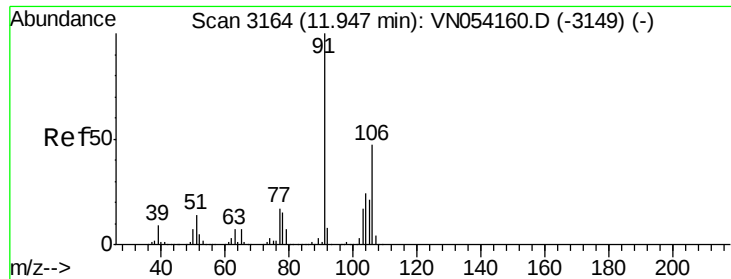
Tgt Ion: 106 Resp: 1082463

Ion Ratio Lower Upper

106 100

91 199.9 159.4 239.2

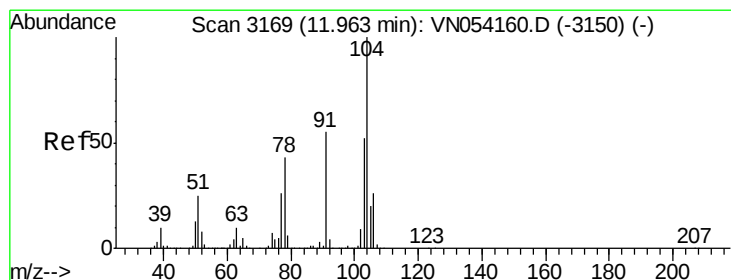
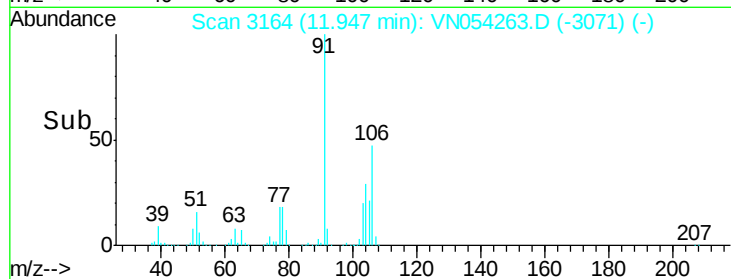
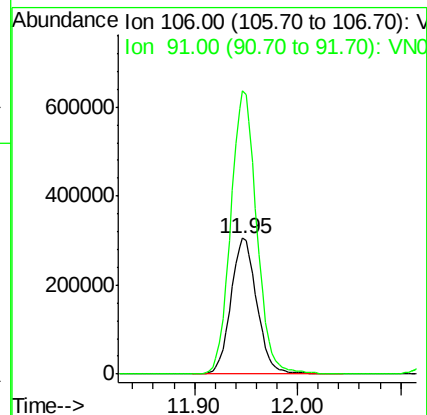
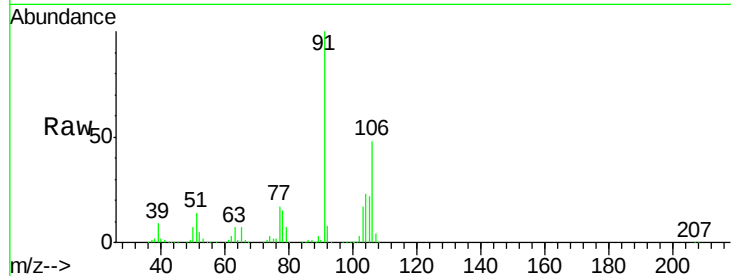




#69
o-Xylene
Concen: 20.824 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

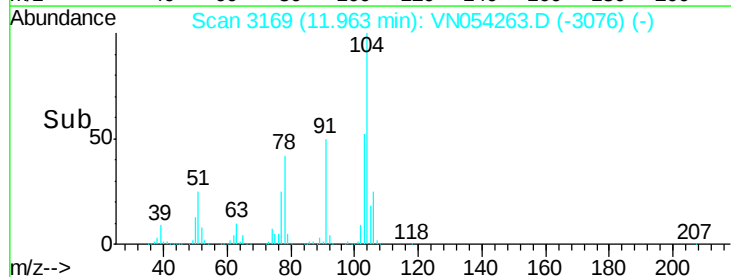
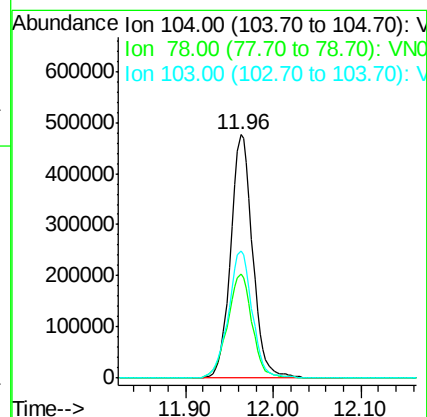
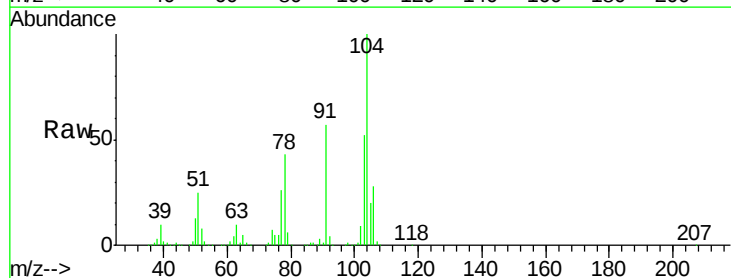
Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

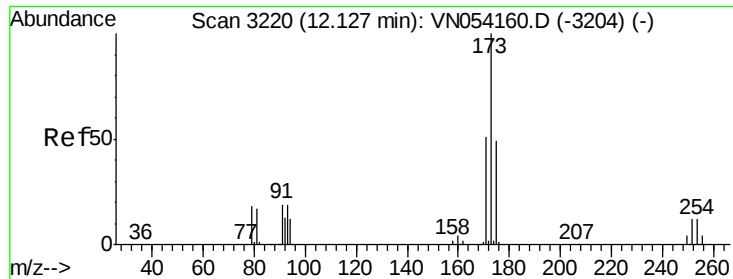
Tot Ion:106 Resp: 536798
Ion Ratio Lower Upper
106 100
91 207.8 105.7 317.1



#70
Styrene
Concen: 20.550 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion:104 Resp: 830821
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 56.6 44.4 66.6

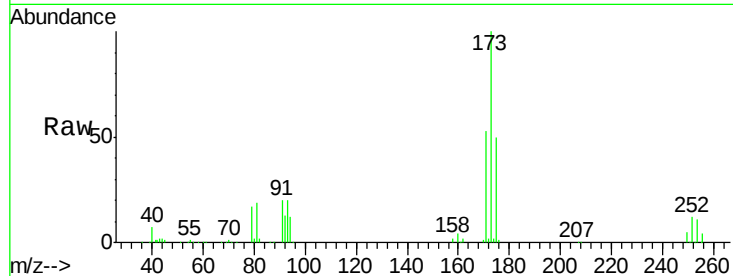




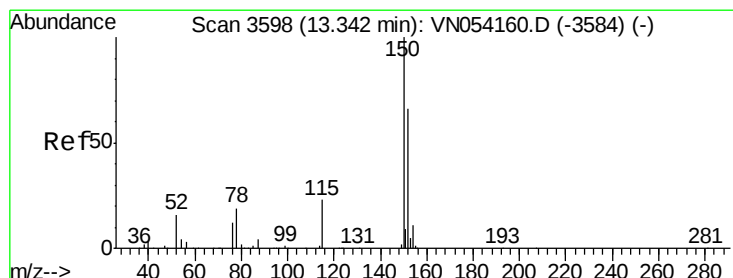
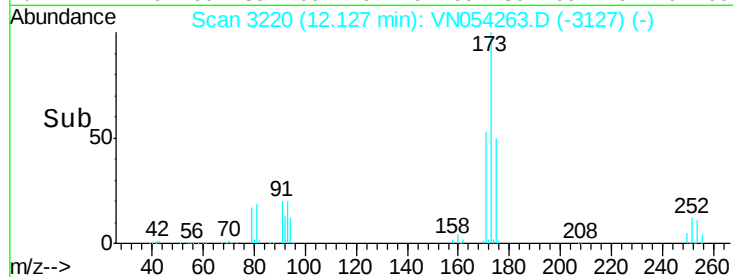
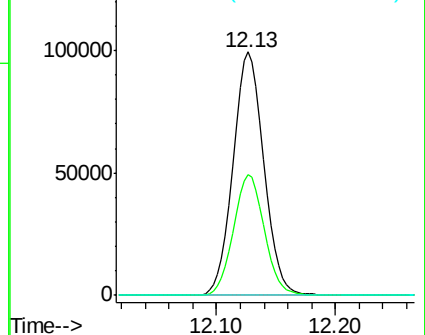
#71
Bromoform
Concen: 17.368 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Instrument :
MSVOA_N
ClientSampled :
VN0314WBSD01

Tot Ion:173 Resp: 178109
Ion Ratio Lower Upper
173 100
175 49.6 24.4 73.2
254 0.1 0.1 0.1

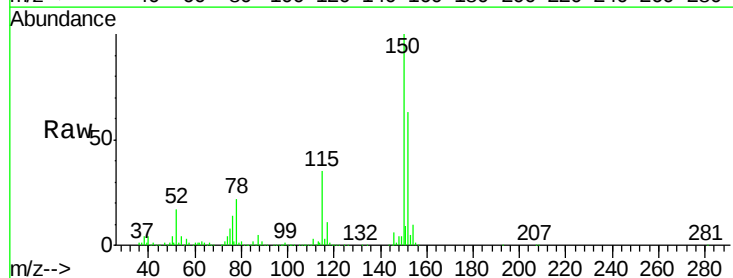


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

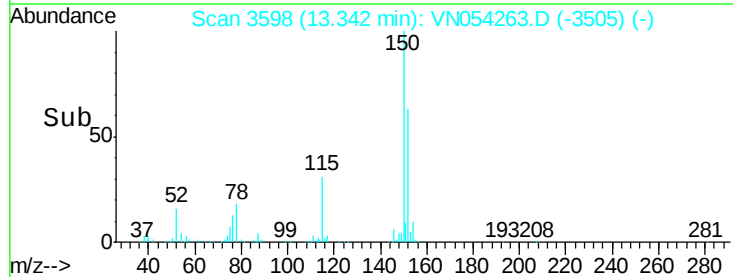
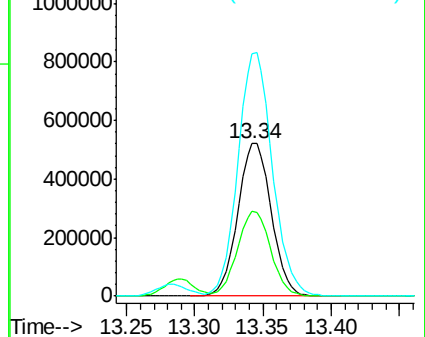


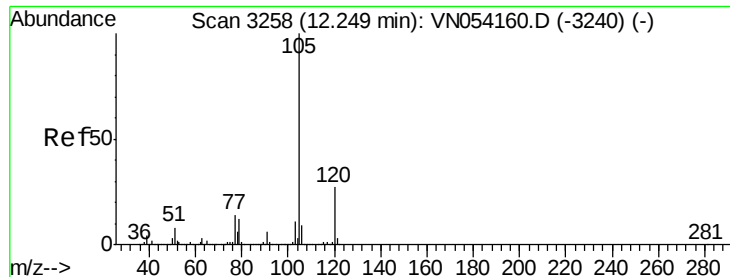
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion:152 Resp: 885477
Ion Ratio Lower Upper
152 100
115 55.3 27.2 81.6
150 164.4 0.0 349.2



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





#73

Isopropylbenzene

Concen: 19.923 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

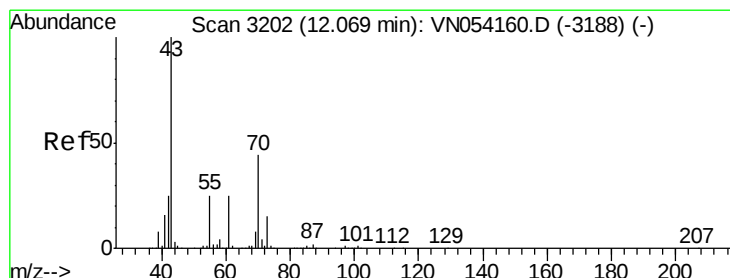
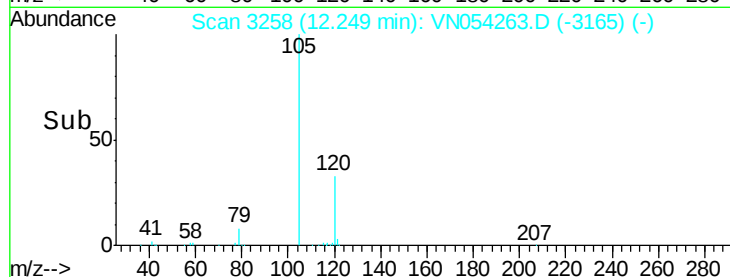
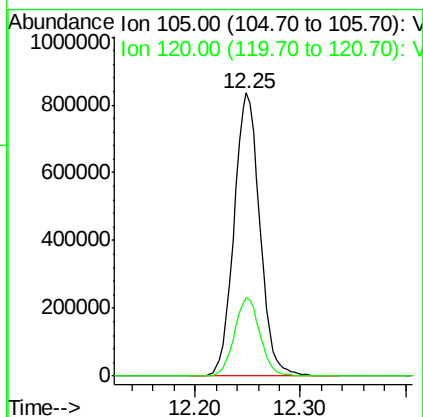
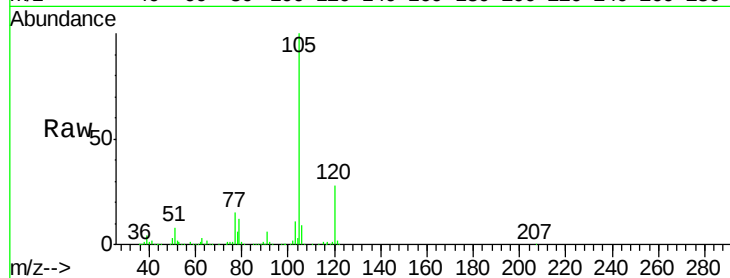
VN0314WBSD01

Tot Ion:105 Resp: 1411433

Ion Ratio Lower Upper

105 100

120 27.6 13.8 41.3



#74

N-ethyl acetate

Concen: 18.842 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Tgt Ion: 43 Resp: 296283

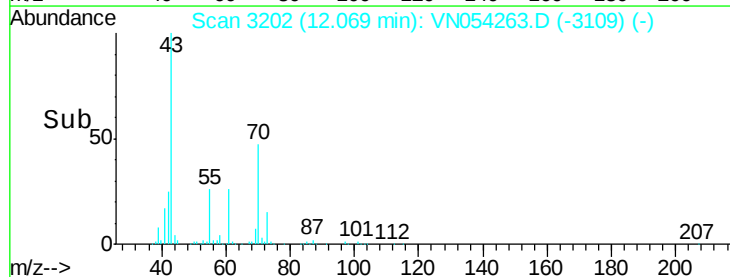
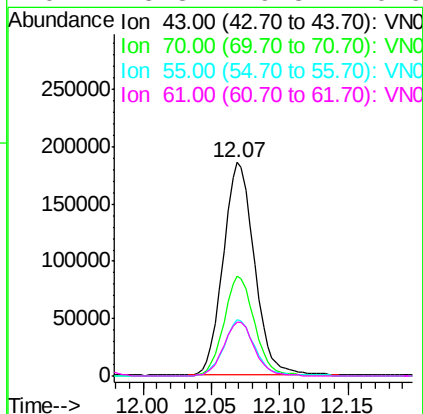
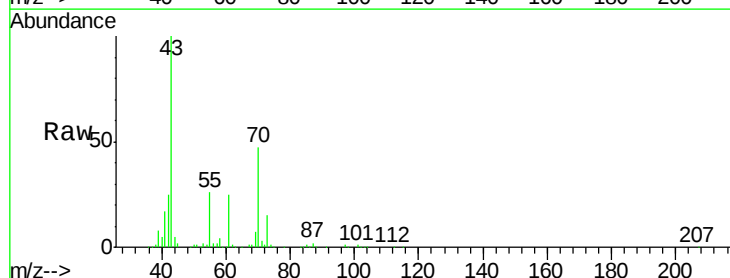
Ion Ratio Lower Upper

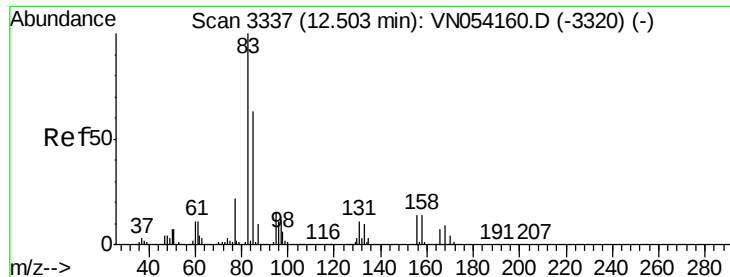
43 100

70 46.5 35.4 53.0

55 26.0 19.8 29.6

61 25.3 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.381 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

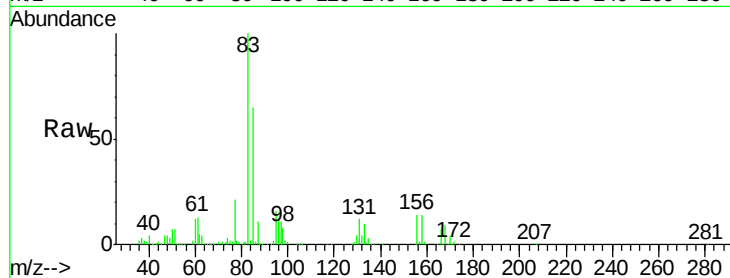
Tot Ion: 83 Resp: 307626

Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.8	17.4
85	64.9	32.2	96.6

83 100

131 11.5 5.8 17.4

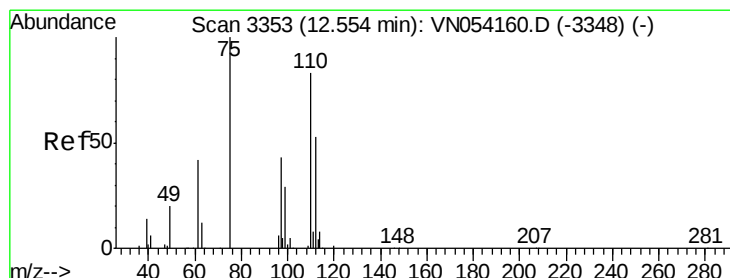
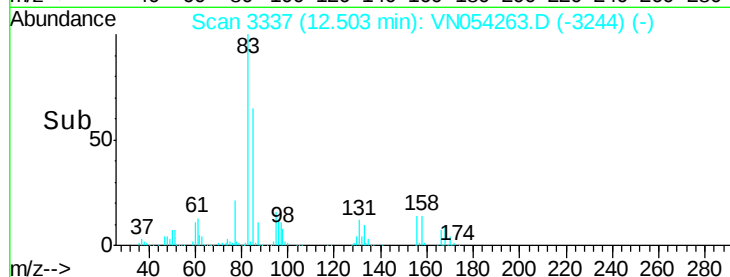
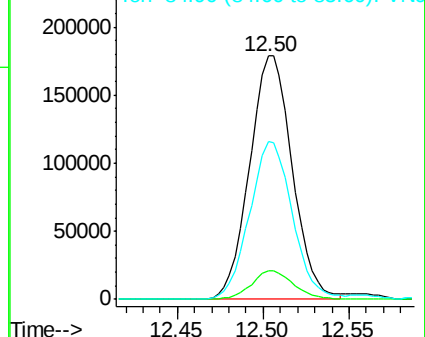
85 64.9 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 27.522 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054263.D

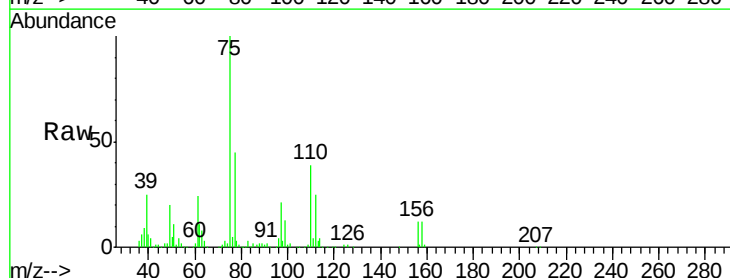
Acq: 14 Mar 2019 15:47

Tgt Ion: 75 Resp: 358367

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

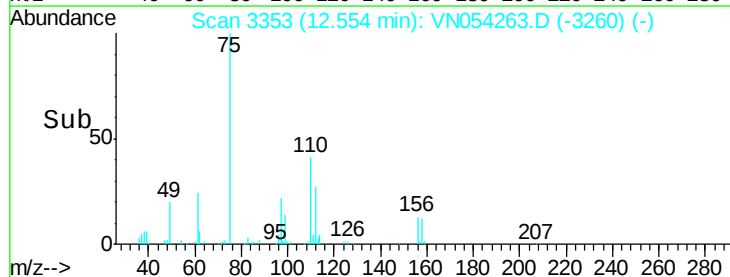
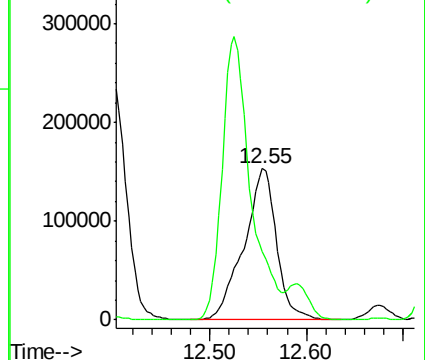
75 100

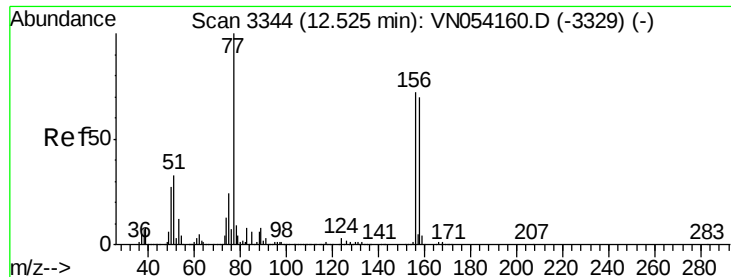
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 20.192 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

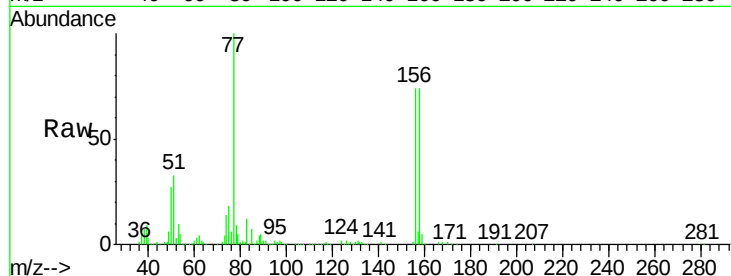
Tot Ion:156 Resp: 378521

Ion Ratio Lower Upper

156 100

77 157.1 81.5 244.4

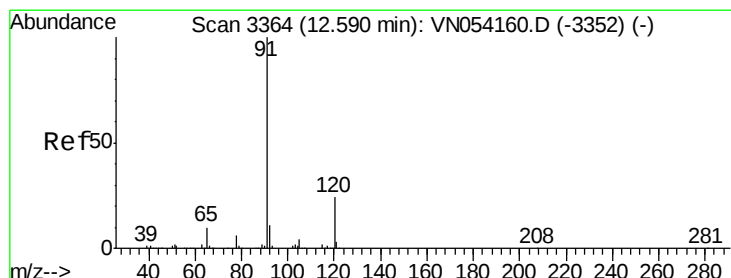
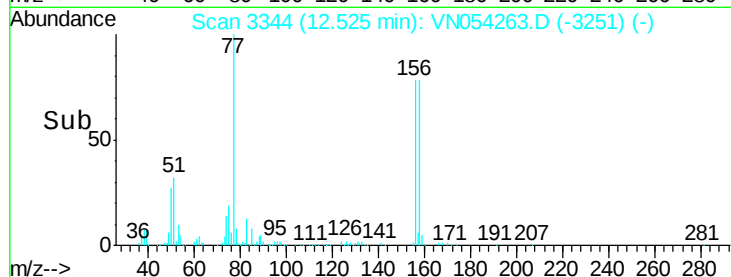
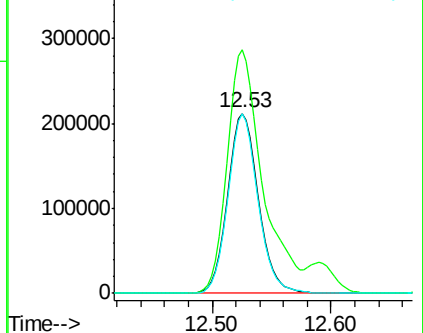
158 97.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.969 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054263.D

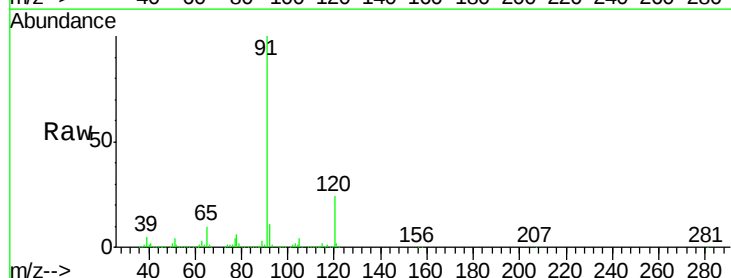
Acq: 14 Mar 2019 15:47

Tgt Ion: 91 Resp: 1535036

Ion Ratio Lower Upper

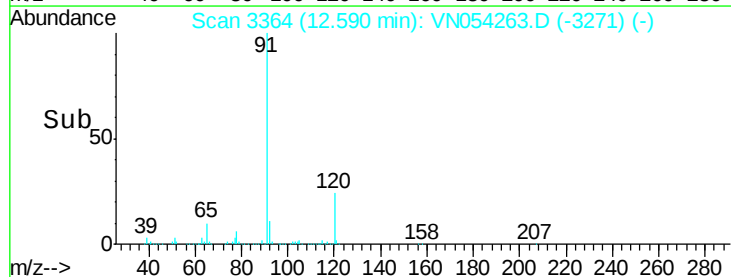
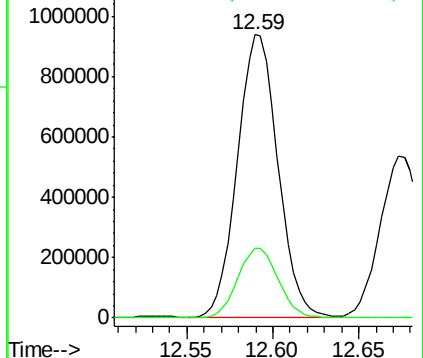
91 100

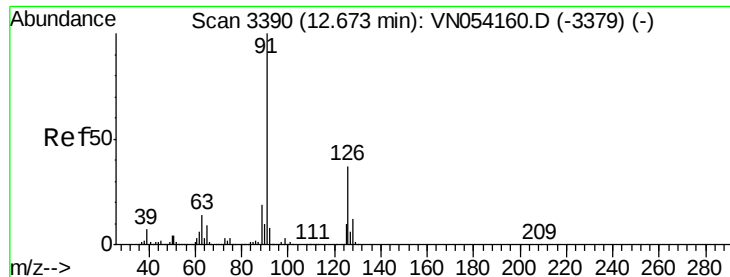
120 24.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.074 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

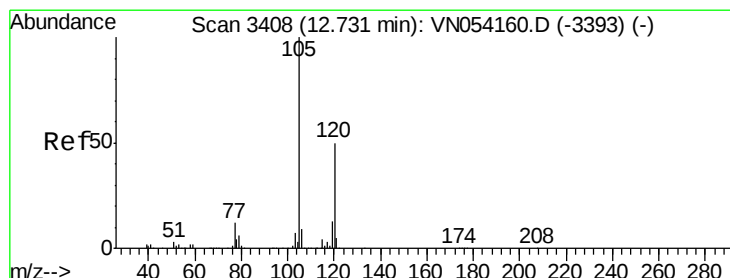
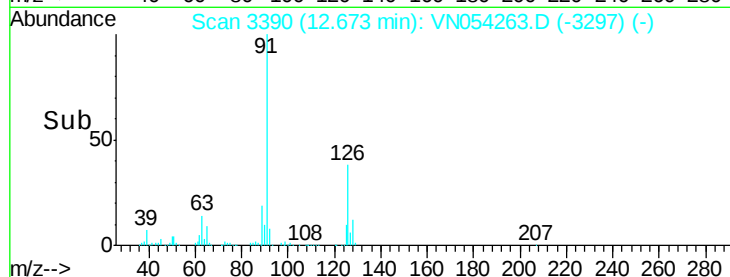
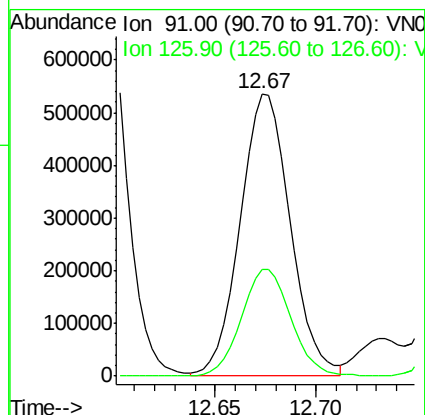
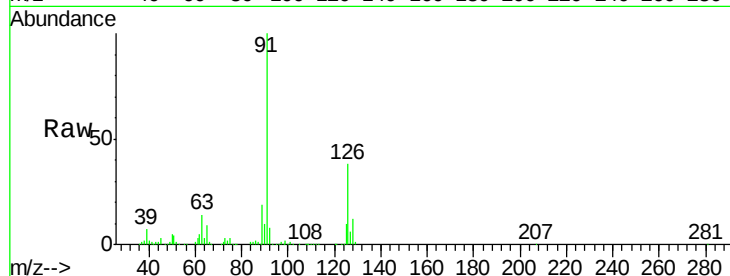
VN0314WBSD01

Tot Ion: 91 Resp: 927811

Ion Ratio Lower Upper

91 100

126 37.8 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 19.884 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054263.D

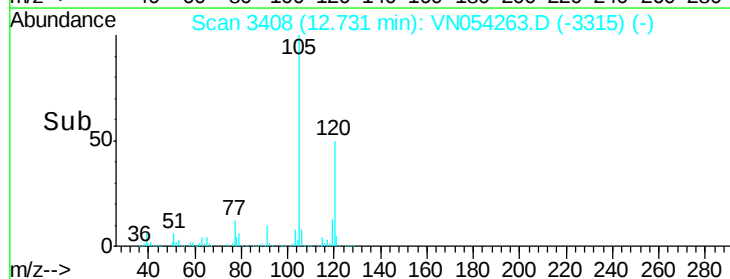
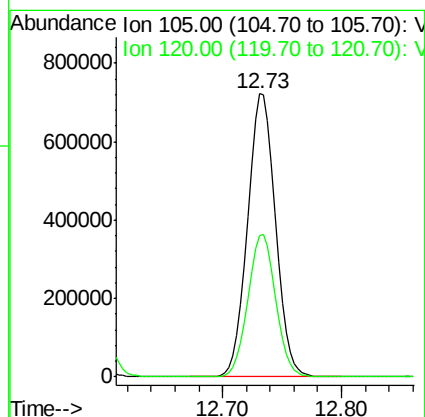
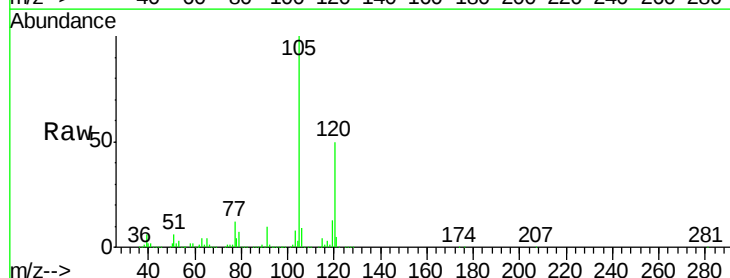
Acq: 14 Mar 2019 15:47

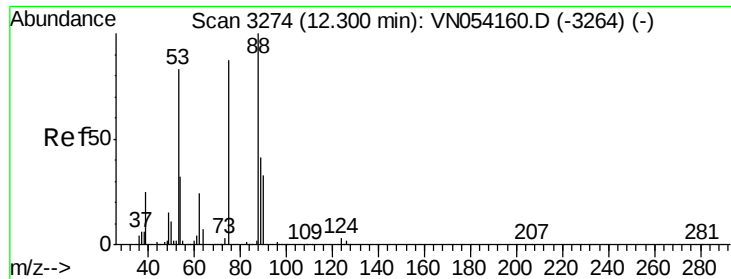
Tgt Ion: 105 Resp: 1171680

Ion Ratio Lower Upper

105 100

120 50.1 25.0 75.0

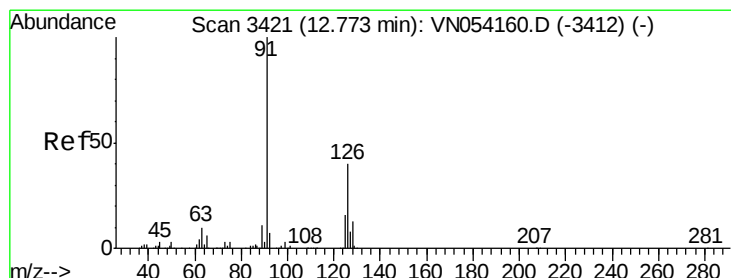
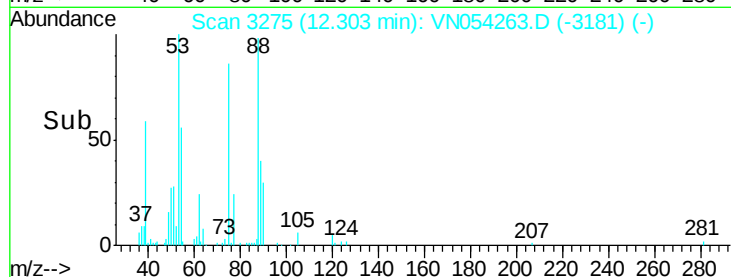
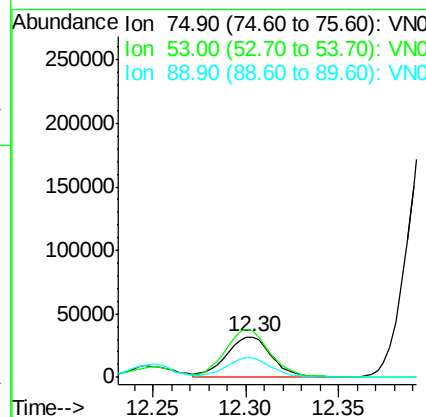
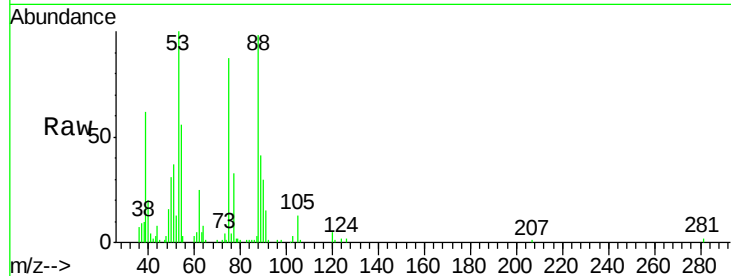




#81
trans-1,4-Dichloro-2-butene
Concen: 13.947 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

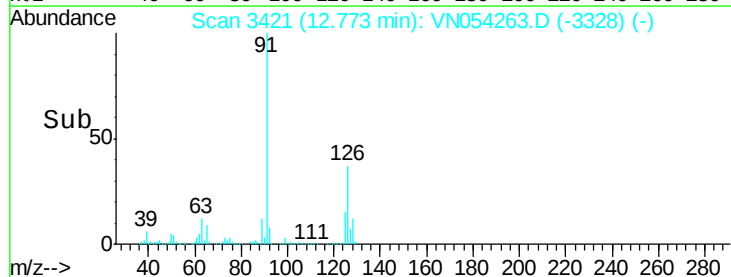
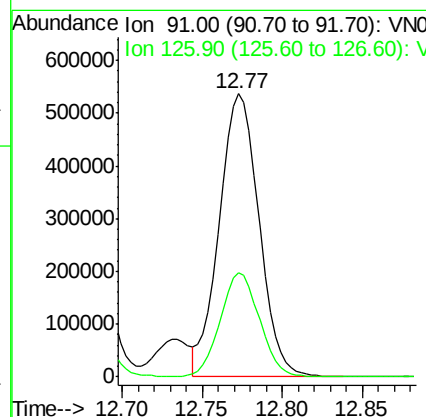
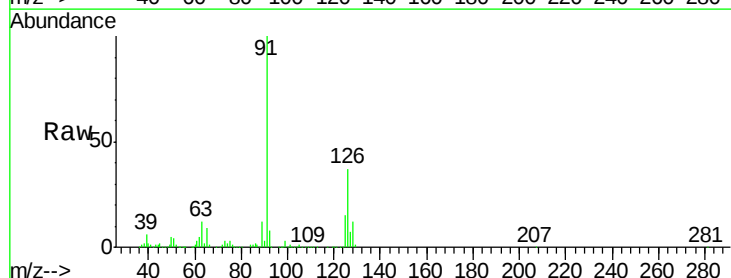
Instrument :
MSVOA_N
ClientSampleId :
VN0314WBSD01

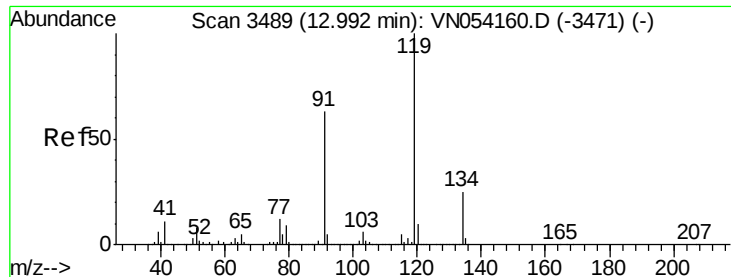
Tot Ion: 75 Resp: 53127
Ion Ratio Lower Upper
75 100
53 120.7 76.2 114.2#
89 49.0 39.2 58.8



#82
4-Chlorotoluene
Concen: 19.833 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054263.D
Acq: 14 Mar 2019 15:47

Tgt Ion: 91 Resp: 915348
Ion Ratio Lower Upper
91 100
126 36.5 18.1 54.1





#83

tert-Butylbenzene

Concen: 19.884 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

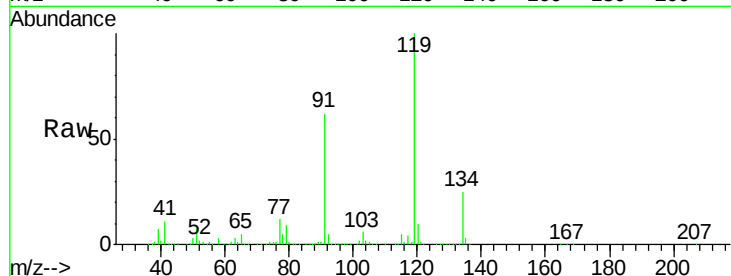
Tot Ion:119 Resp: 1078502

Ion Ratio Lower Upper

119 100

91 62.1 30.9 92.8

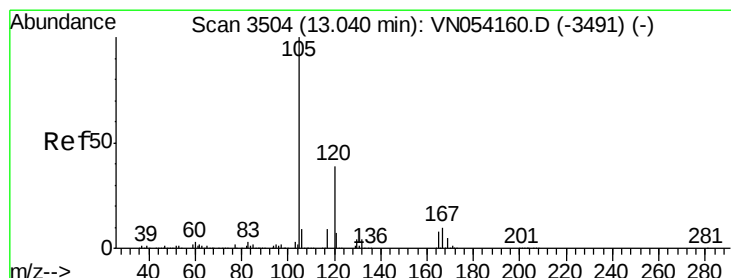
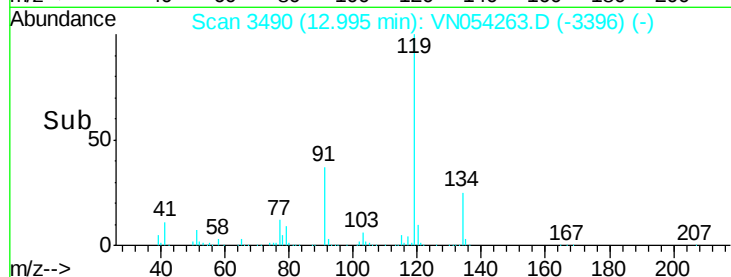
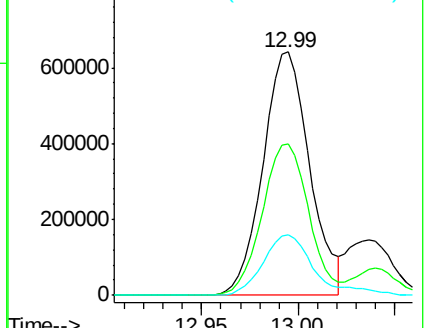
134 27.3 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.072 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054263.D

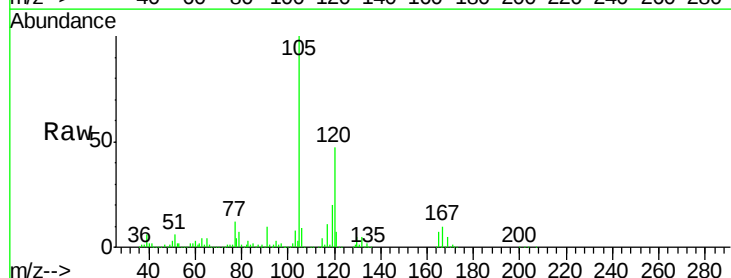
Acq: 14 Mar 2019 15:47

Tgt Ion:105 Resp: 1160380

Ion Ratio Lower Upper

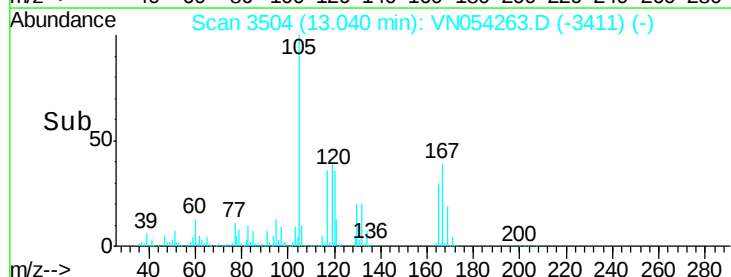
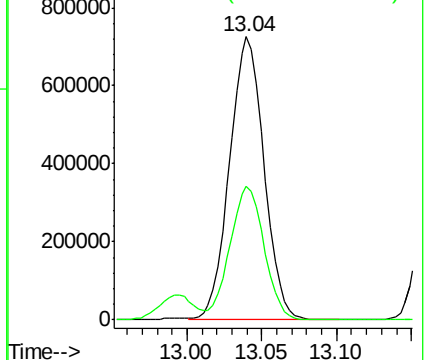
105 100

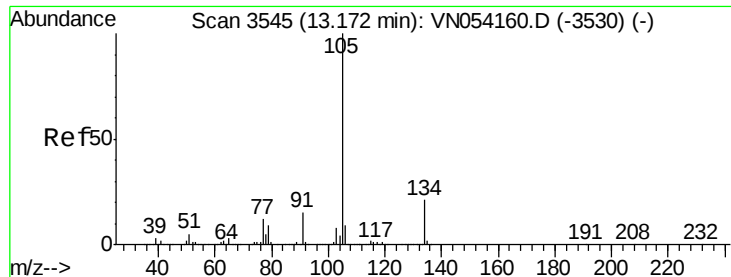
120 47.1 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.996 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleID :

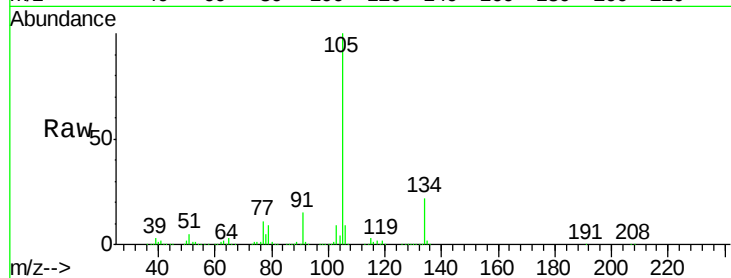
VN0314WBSD01

Tot Ion:105 Resp: 1406501

Ion Ratio Lower Upper

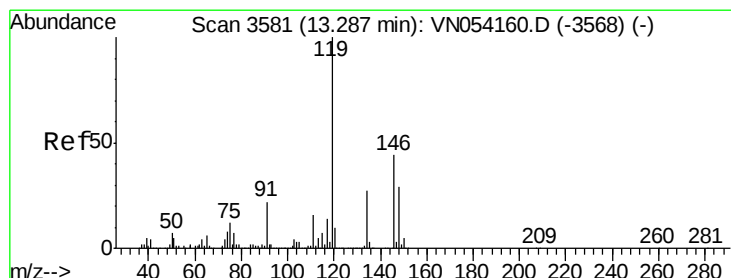
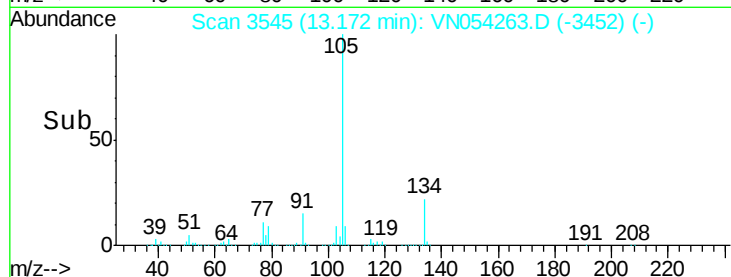
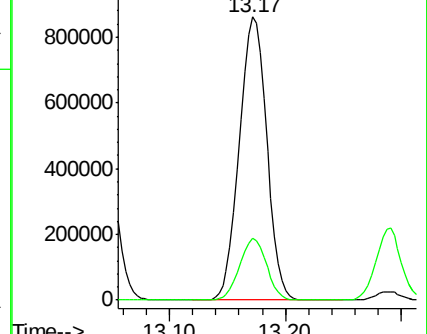
105 100

134 21.4 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.690 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

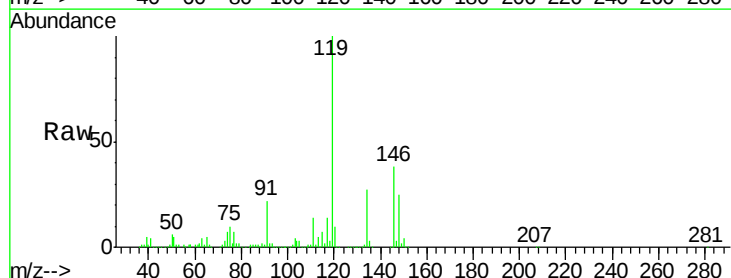
Tgt Ion:119 Resp: 1215080

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

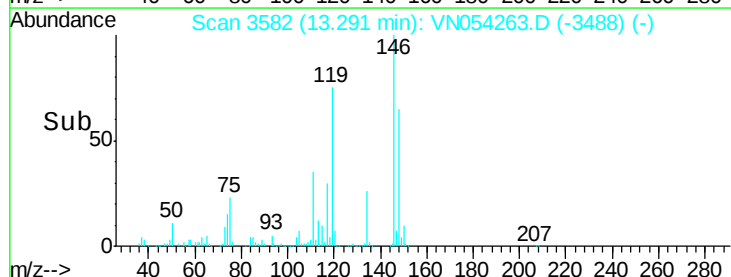
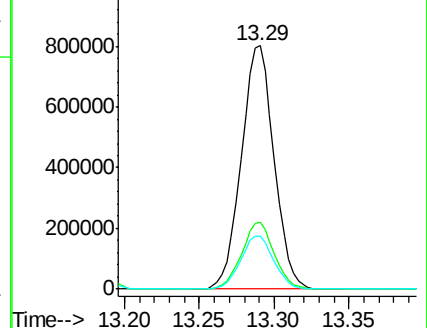
91 22.2 11.1 33.3

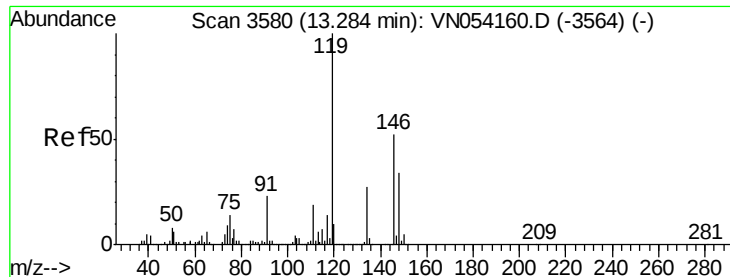


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.346 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

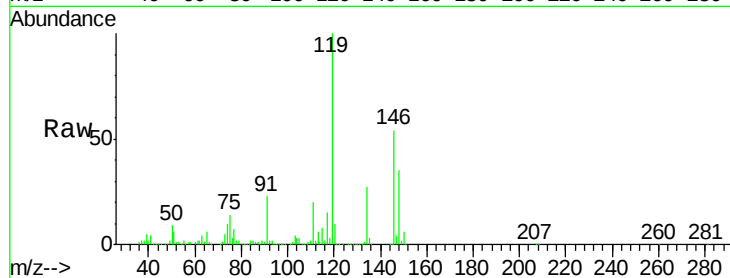
Tot Ion:146 Resp: 642698

Ion Ratio Lower Upper

146 100

111 36.5 18.8 56.3

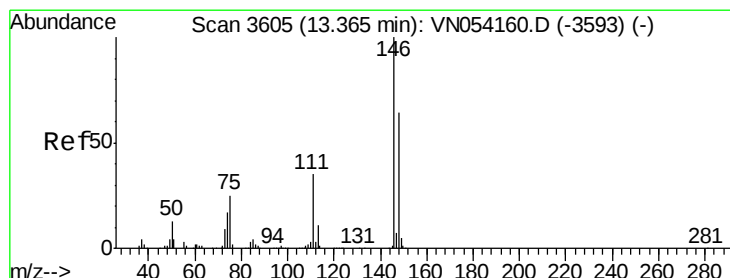
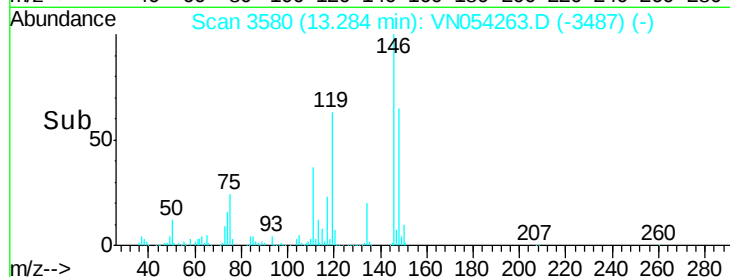
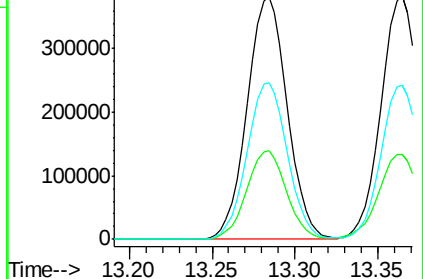
148 64.9 32.2 96.6



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: 20.249 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

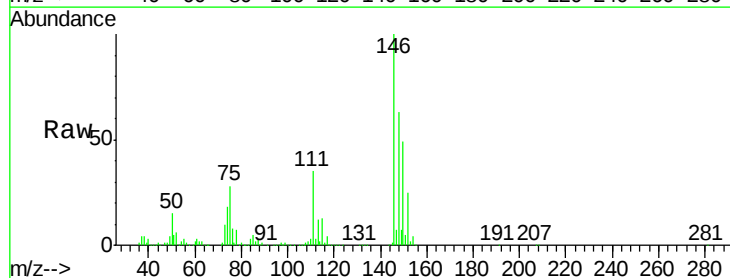
Tgt Ion:146 Resp: 628363

Ion Ratio Lower Upper

146 100

111 36.5 18.1 54.1

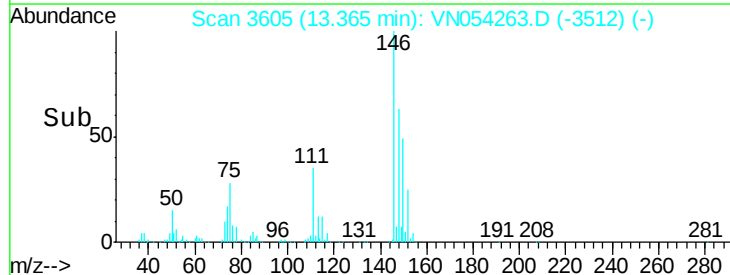
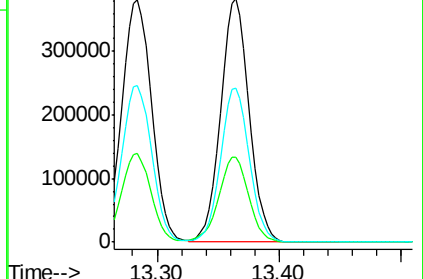
148 64.1 32.0 96.0

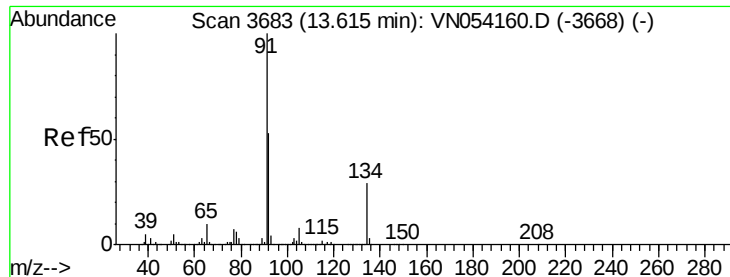


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.632 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

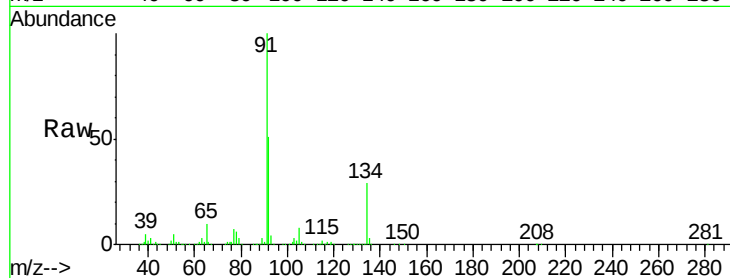
Tot Ion: 91 Resp: 920494

Ion Ratio Lower Upper

91 100

92 52.4 26.2 78.6

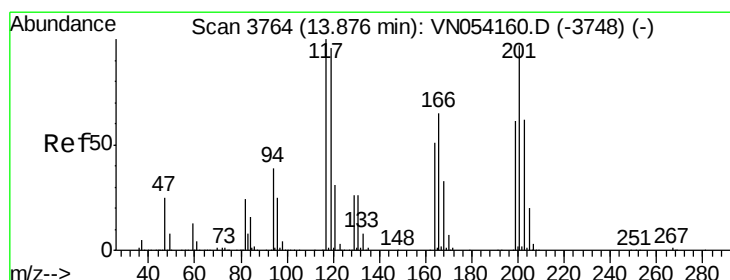
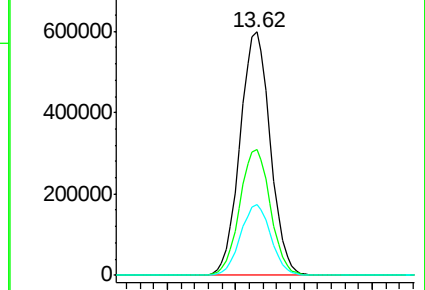
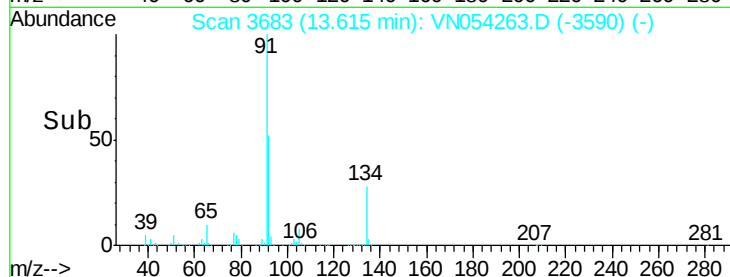
134 29.3 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 17.223 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054263.D

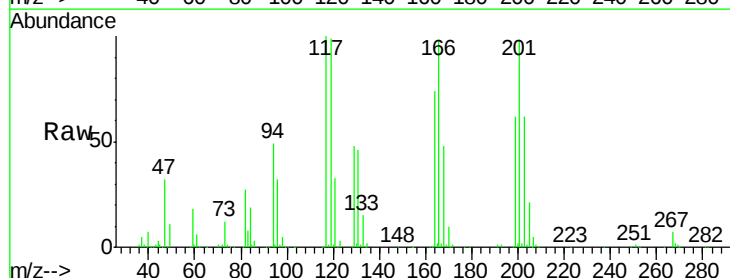
Acq: 14 Mar 2019 15:47

Tgt Ion: 117 Resp: 175982

Ion Ratio Lower Upper

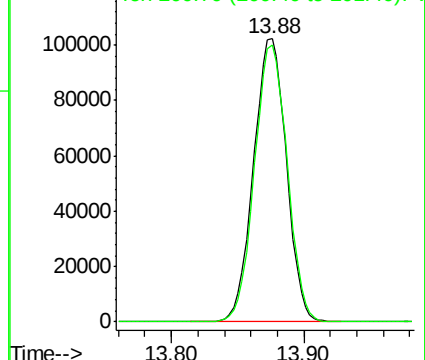
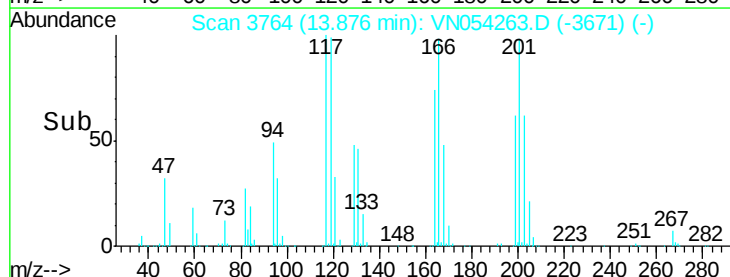
117 100

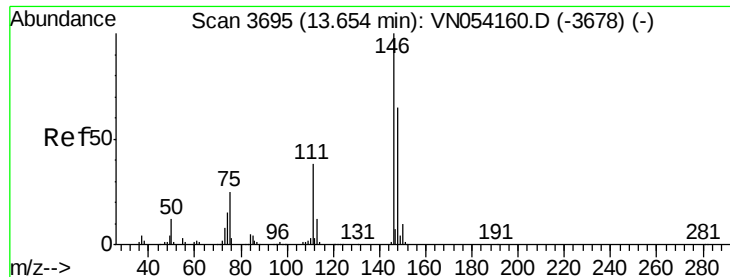
201 97.4 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.787 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

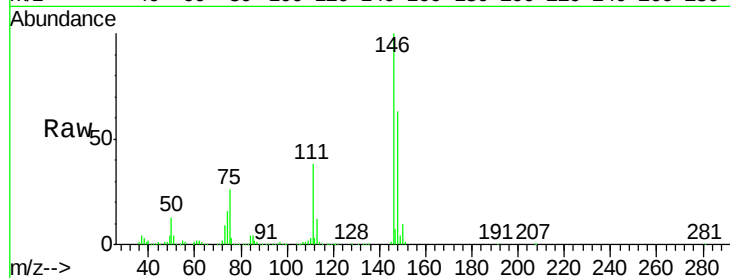
Tot Ion:146 Resp: 641923

Ion Ratio Lower Upper

146 100

111 37.9 19.1 57.3

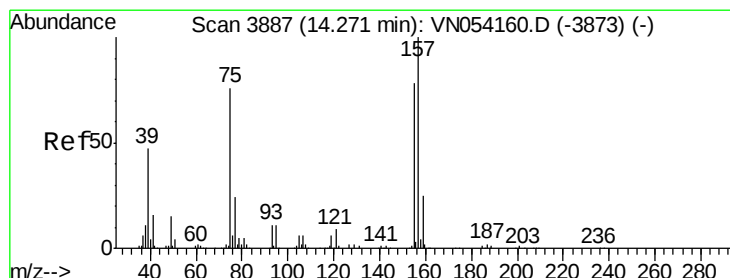
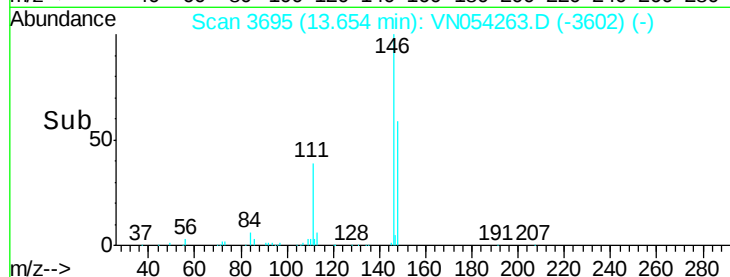
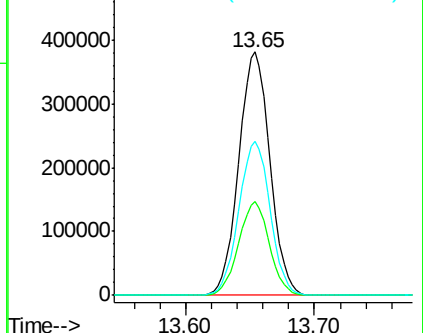
148 63.6 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.827 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

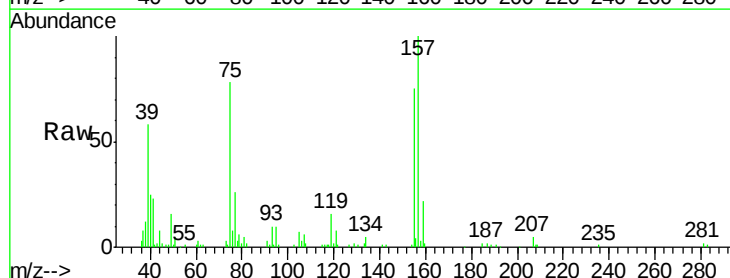
Tgt Ion: 75 Resp: 43972

Ion Ratio Lower Upper

75 100

155 99.3 50.1 150.3

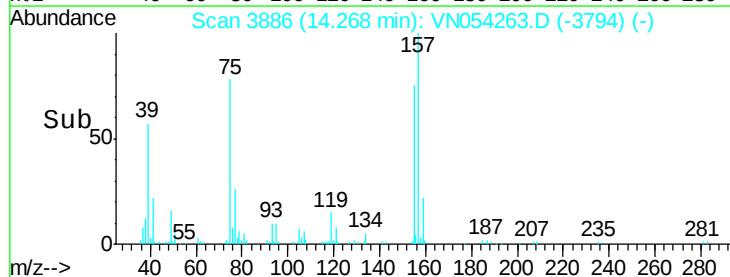
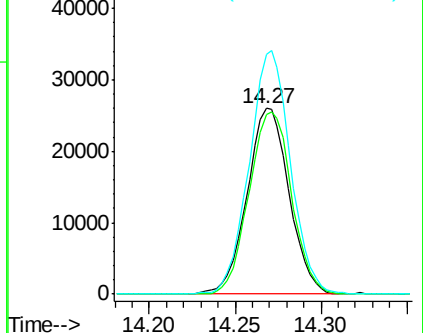
157 128.5 63.1 189.3

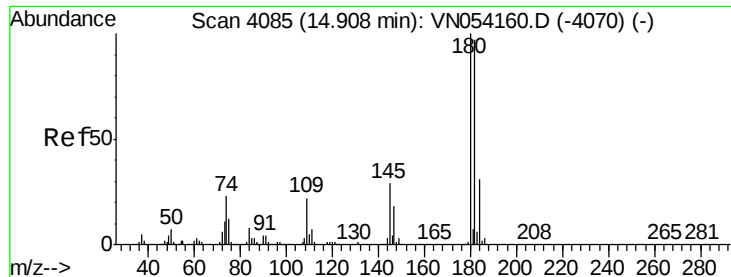


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.459 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

VN0314WBSD01

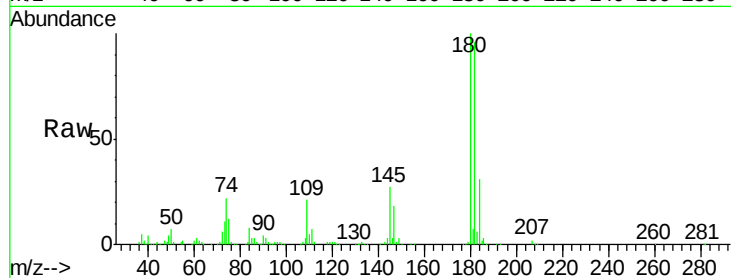
Tot Ion:180 Resp: 332597

Ion Ratio Lower Upper

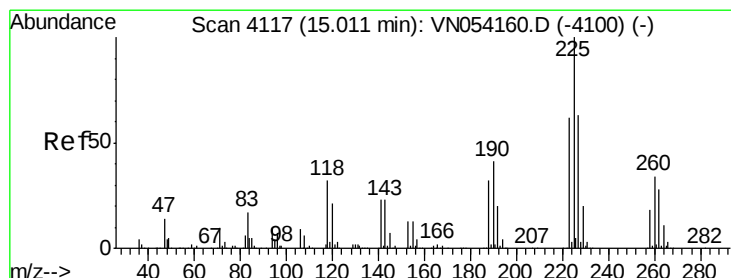
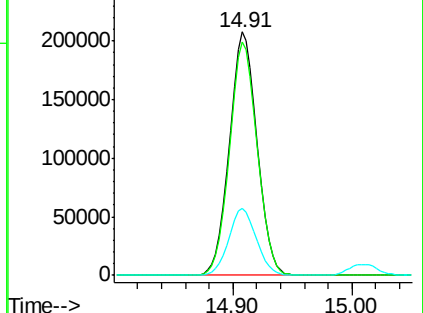
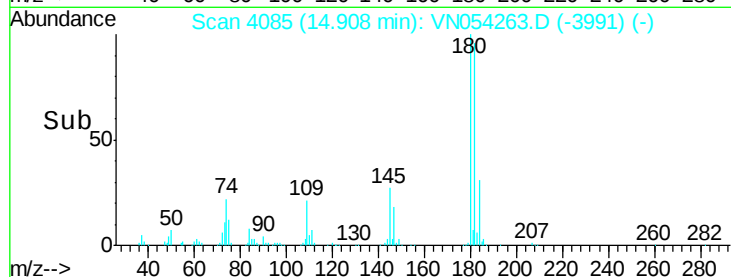
180 100

182 95.9 48.0 144.2

145 27.5 14.2 42.8



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: 19.585 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

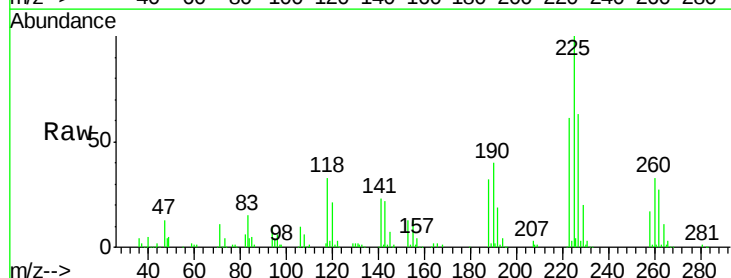
Tgt Ion:225 Resp: 230362

Ion Ratio Lower Upper

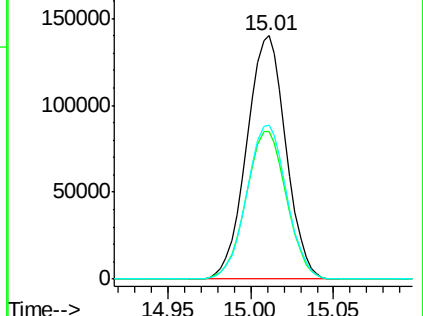
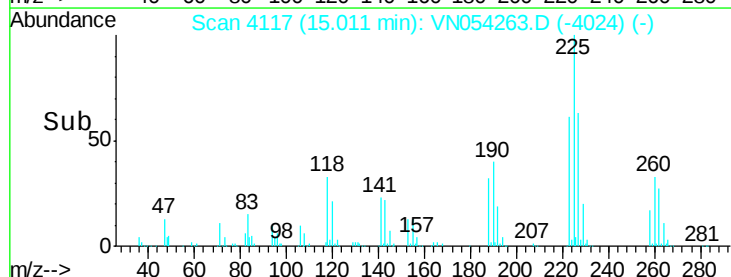
225 100

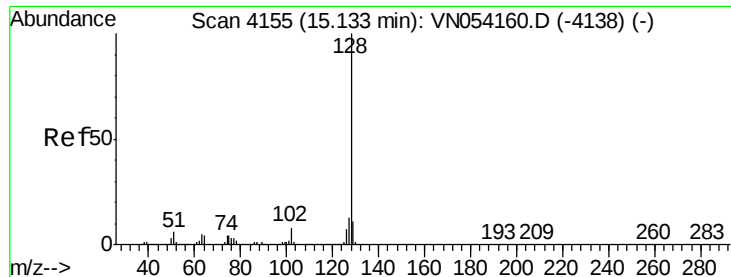
223 62.6 31.1 93.5

227 64.6 31.9 95.9



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: 19.242 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBSD01

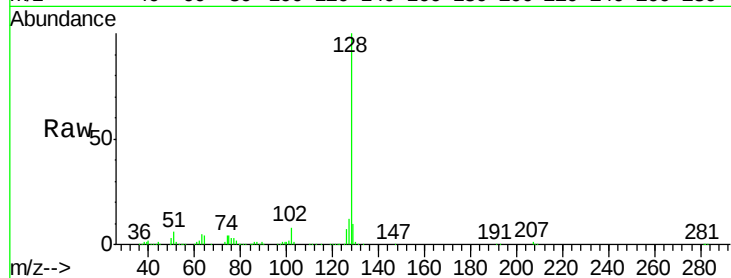
Tot Ion:128 Resp: 658225

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

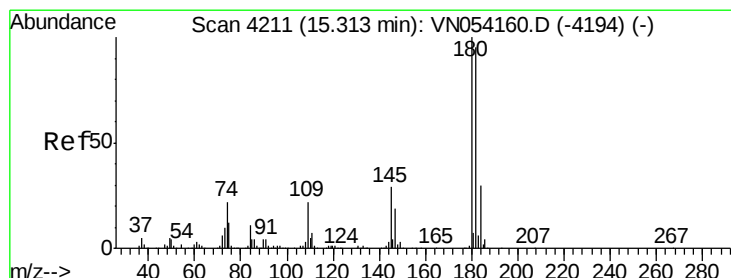
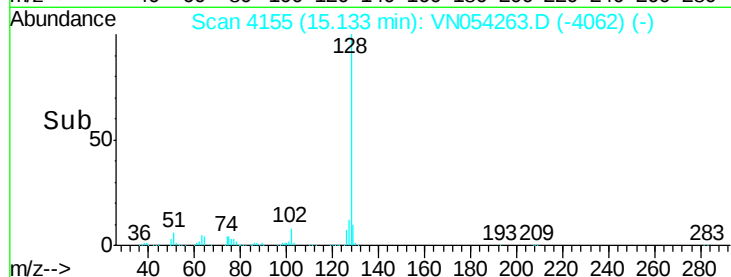
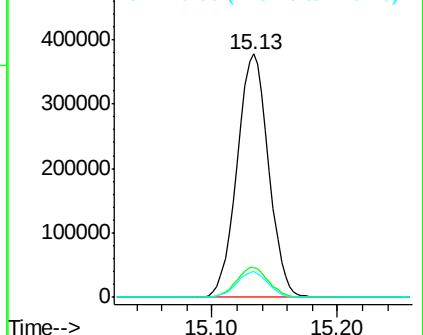
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.780 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054263.D

Acq: 14 Mar 2019 15:47

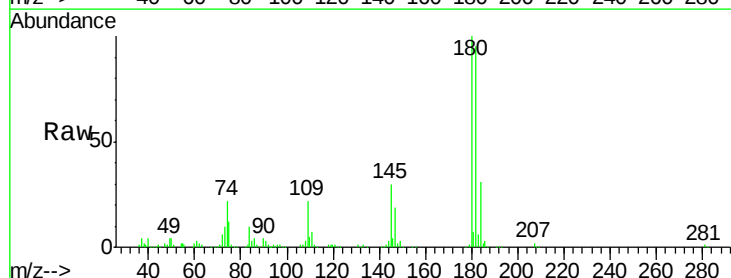
Tgt Ion:180 Resp: 340949

Ion Ratio Lower Upper

180 100

182 96.2 47.5 142.6

145 30.3 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

